

International Nonproprietary Names for Pharmaceutical Substances

Notice is hereby given that, in accordance with article 3 of the Procedure for the Selection of Recommended International Nonproprietary Names for Pharmaceutical Substances (see Annexes), the following names are under consideration by the World Health Organization as Proposed International Nonproprietary Names. The inclusion of a name in the lists of Proposed International Nonproprietary Names does not imply any recommendation of the use of the substance in medicine or pharmacy.

Comments on, or formal objections to, the proposed names may be forwarded by any person to the Pharmaceuticals Unit of the World Health Organization within four months of the date of their publication in *WHO Drug Information*, i.e., for **List 66 Prop. INN not later than 31 August 1992**.

Proposed International Nonproprietary Names: List 66

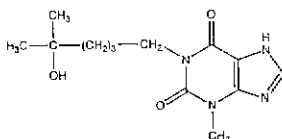
Lists of proposed (1–58) and recommended (1–27) international nonproprietary names can be found in Cumulative List No. 7, 1988.

Proposed International
Nonproprietary Name
(Latin, English)

Chemical Name or Description, Molecular and Graphic formulae
Chemical Abstracts Service (CAS) registry number
Action and Use*

albifyllinum
albifylline

1-(5-hydroxy-5-methylhexyl)-3-methylxanthine
C₁₃H₂₀N₄O₅ 107767-55-5 *polymorphonuclear neutrophil
modulator*



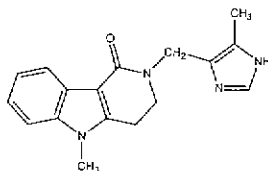
* *Action and Use: The statements in italics indicating the action and use are based largely on information supplied by the manufacturer. The information is meant to provide an indication of the potential use of new substances at the time they are accorded Proposed International Nonproprietary Names. WHO is not in a position either to uphold these statements or to comment on the efficacy of the action claimed. Because of their provisional nature, these descriptors will be neither revised nor included in the Cumulative Lists of INNs.*

Proposed International
Nonproprietary Name
(Latin, English)

Chemical Name or Description, Molecular and Graphic formulae
Chemical Abstracts Service (CAS) registry number
Action and Use*

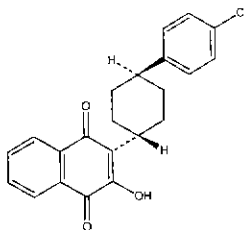
alosetronum
alosetron

2,3,4,5-tetrahydro-5-methyl-2-[(5-methylimidazol-4-yl)methyl]-1H-
pyrido[4,3-b]indol-1-one
C₁₇H₁₉N₄O 122852-42-0 *antiemetic, anxiolytic*



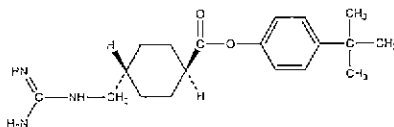
atovaquonum
atovaquone

2-[*trans*-4-(*p*-chlorophenyl)cyclohexyl]-3-hydroxy-1,4-naphthoquinone
C₂₂H₁₉ClO₃ 95233-18-4 *antimalarial*



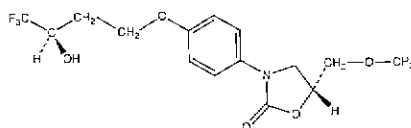
batebulastum
batebulast

p-*tert*-butylphenyl *trans*-4-(guanidinomethyl)cyclohexanecarboxylate
C₁₉H₂₉N₃O₂ 81907-78-0 *asthmatic*



befloxatonum
befloxatone

(*R*)-5-(methoxymethyl)-3-[*p*-[(*R*)-4,4,4-trifluoro-3-hydroxybutoxy]phenyl]-2-
oxazolidinone
C₁₅H₁₈F₃NO₅ 134564-82-2 *antidepressant*



Proposed International
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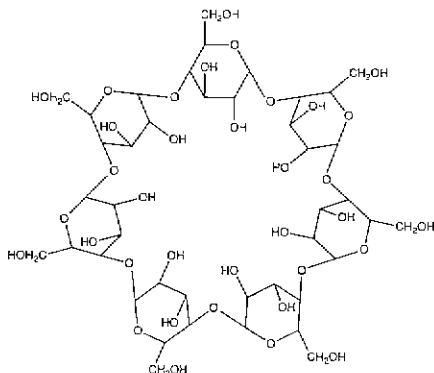
Chemical Name or Description, Molecular and Graphic formulae
Chemical Abstracts Service (CAS) registry number
Action and Use*

betadexum
betadex

β -cyclodextrin
 $C_{42}H_{70}O_{35}$

7585-39-9

pharmaceutical aid



biciromabum
biciromab

mouse T2G1s cell anti-human fibrin II β -chain monoclonal immunoglobulin G
Fab' fragment

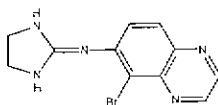
diagnostic agent

brimonidinum
brimonidine

5-bromo-6-(2-imidazolidinylidenamino)quinoxaline
 $C_{11}H_{10}BrN_5$

59803-98-4

α_2 -adrenoreceptor agonist

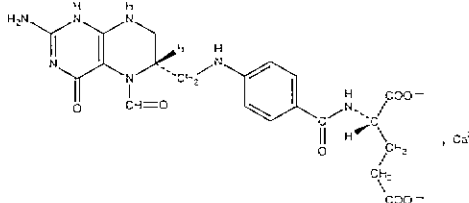


calcii levofolinas
calcium levofolinate

calcium *N*-[*p*-[[[(6*S*)-2-amino-5-formyl-1,4,5,6,7,8-hexahydro-4-oxo-6-pteridiny]methyl]amino]benzoyl]-*L*-glutamate (1:1)
 $C_{20}H_{21}CaN_7O_7$

80433-71-2

antineoplastic

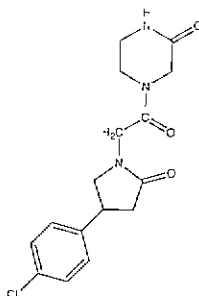


cebaracetamum
cebaracetam

($\pm$)-4-[[4-(*p*-chlorophenyl)-2-oxo-1-pyrrolidinyl]acetyl]-2-piperazinone
 $C_{16}H_{14}ClN_3O_3$

113957-09-8

nootropic agent

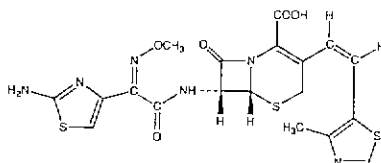


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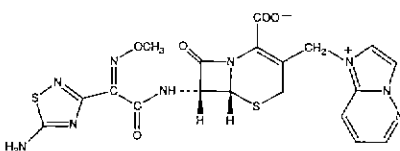
cefditorenium
cefditoren

(+)-(6*R*,7*R*)-7-[2-(2-amino-4-thiazolyl)glyoxylamido]-3-[(*Z*)-2-(4-methyl-5-thiazolyl)vinyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7²-(*Z*)-(O-methyloxime)
C₁₉H₁₈N₆O₅S₃ 104145-95-1 antibiotic



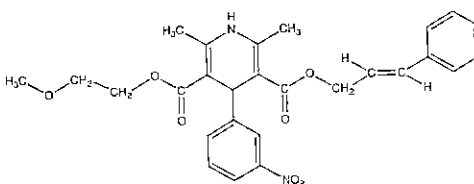
cefozopranum
cefozopran

(-)-1-[[(6*R*,7*R*)-7-[2-(5-amino-1,2,4-thiadiazol-3-yl)glyoxylamido]-2-carboxy-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-1*H*-imidazo[1,2-*b*]pyridazin-4-ium hydroxide inner salt, 7²-(*Z*)-(O-methyloxime)
C₁₉H₁₇N₉O₅S₂ 113359-04-9 antibiotic



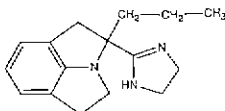
cilnidipinum
cilnidipine

(±)-(*E*)-cinnamyl 2-methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(*m*-nitrophenyl)-3,5-pyridinedicarboxylate
C₂₇H₂₈N₂O₇ 132203-70-4 calcium channel blocker



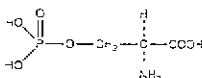
deriglidolum
deriglidole

(+)-1,2,4,5-tetrahydro-2-(2-imidazolin-2-yl)-2-propylpyrrolo[3,2,1-*hi*]indole
C₁₆H₂₁N₃ 122830-14-2 antidiabetic, α₂-adrenoreceptor antagonist



dextofoserinum
dextofoserine

L-serine dihydrogen phosphate (ester)
C₃H₈NO₆P 407-41-0 nootropic agent



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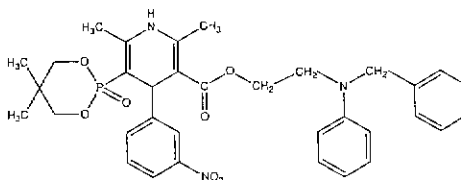
Chemical Name or Description, Molecular and Graphic formulae
Chemical Abstracts Service (CAS) registry number
Action and Use*

dorlimomab aritoxum
dorlimomab aritox

ricin A chain-antibody ST 1 F(ab')₂ fragment immunotoxin
immunomodulator

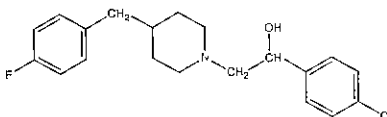
efonidipinum
efonidipine

2-(*N*-benzylanilino)ethyl (±)-1,4-dihydro-2,6-dimethyl-4-(*m*-nitrophenyl)-5-phosphonononate, cyclic 2,2-dimethyltrimethylene ester
C₃₄H₃₈N₃O₇P 111011-63-3 *calcium channel blocker*



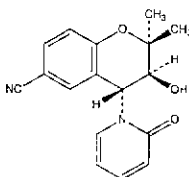
eliprodilum
eliprodil

(±)-α-(*p*-chlorophenyl)-4-(*p*-fluorobenzyl)-1-piperidineethanol
C₂₀H₂₃ClFNO 119431-25-3 *N-methyl-D-aspartate antagonist*



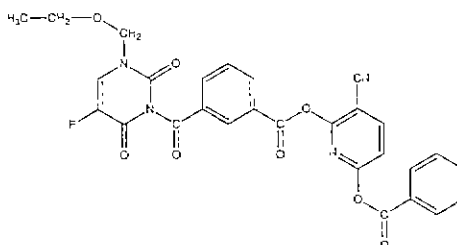
emakalimum
emakalim

(-)-(3*S*,4*R*)-3-hydroxy-2,2-dimethyl-4-(2-oxo-1(2*H*)-pyridyl)-6-chromancarbonitrile
C₁₇H₁₅N₂O₃ 129729-66-4 *potassium channel activator*



emitefurum
emitefur

m-[[3-(ethoxymethyl)-5-fluoro-3,6-dihydro-2,6-dioxo-1(2*H*)-pyrimidinyl]-carbonyl]benzoic acid, 2-ester with 2,6-dihydroxynicotinonitrile, benzoate (ester)
C₂₈H₁₉FN₄O₈ 110690-43-2 *antineoplastic*



Proposed International
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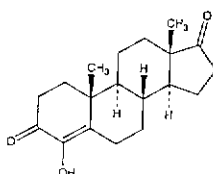
Chemical Name or Description, Molecular and Graphic formulae
Chemical Abstracts Service (CAS) registry number
Action and Use*

ersoferminum
ersofermin

N-(*N*-glycyl-L-threonyl)basic fibroblast growth factor
(human clone λ KB7/ λ HFL1 precursor reduced)
 $C_{775}H_{1220}N_{220}O_{223}S_7$ 111212-85-2 growth factor

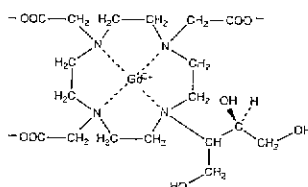
formestanum
formestane

4-hydroxyandrost-4-ene-3,17-dione
 $C_{19}H_{26}O_3$ 566-48-3 aromatase inhibitor



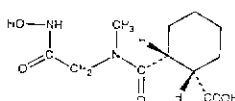
gadobutrolum
gadobutrol

[10-[2,3-dihydroxy-1-(hydroxymethyl)propyl]-1,4,7,10-tetraazacyclododecane-1,4,7-triacetato(3-)]gadolinium
 $C_{18}H_{31}GdN_4O_9$ 138071-82-6 paramagnetic contrast medium



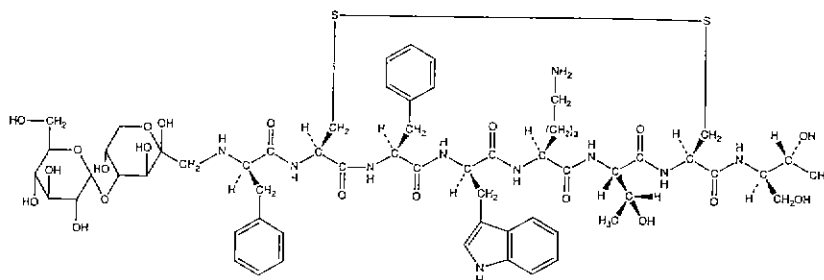
idraprilum
idrapril

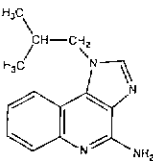
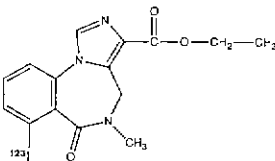
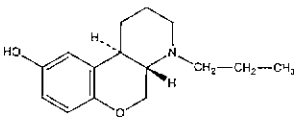
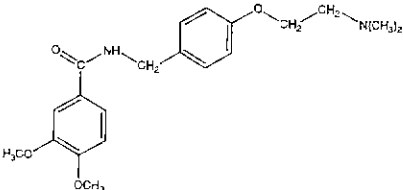
(1*S*,2*R*)-2-[[[(hydroxycarbonyl)methyl]methyl]carbonyl]cyclohexane-
carboxylic acid
 $C_{11}H_{18}N_2O_5$ 127420-24-0 angiotensin-converting-enzyme inhibitor



ilatretodum
ilatretotide

N-(1-deoxy-4-*O*- α -D-giucopyranosyl-D-fructopyranos-1-yl)-D-phenylalanyl-
L-cysteinyl-L-phenylalanyl-D-tryptophyl-L-lysyl-L-threonyl-*N*-[(1*R*,2*R*)-
2-hydroxy-1-(hydroxymethyl)propyl]-L-cysteinamide cyclic (2 $\rightarrow$ 7)-disulfide
 $C_{61}H_{88}N_{10}O_{26}S_2$ antiulcer agent



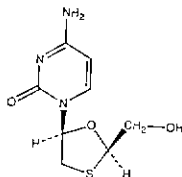
Proposed International Nonproprietary Name (Latin, English)	Chemical Name or Description, Molecular and Graphic formulae Chemical Abstracts Service (CAS) registry number Action and Use*
imciromabum imciromab	mouse R11D10 cell monoclonal α -chain containing immunoglobulin G2a, anti-human cardiac myosin heavy chain 126132-83-0 <i>immunomodulator</i>
imiqlimodum imiqlimod	4-amino-1-isobutyl-1 <i>H</i> -imidazo[4,5- <i>c</i>]quinoline C ₁₄ H ₁₆ N ₄ 99011-02-6 <i>antiviral</i>
	
iomazenilum (¹²³ I) iomazenil (¹²³ I)	ethyl 5,6-dihydro-7-iodo- ¹²³ I-5-methyl-6-oxo-4 <i>H</i> -imidazo[1,5- <i>a</i>][1,4]benzo = diazepine-3-carboxylate C ₁₅ H ₁₄ ¹²³ IN ₃ O ₃ 127396-36-5 <i>benzodiazepine-receptor antagonist, diagnostic agent</i>
	
iomolpanum iomolpan	(±)- <i>trans</i> -1,3,4,4a,5,10b-hexahydro-4-propyl-2 <i>H</i> -[1]benzopyrano = [3,4- <i>b</i>]pyridin-9-ol C ₁₅ H ₂₁ NO ₂ 107320-86-5 <i>antipsychotic</i>
	
itopridum itopride	<i>N</i> -[<i>p</i> -(2-(dimethylamino)ethoxy)benzyl]veratramide C ₂₀ H ₂₆ N ₂ O ₄ 122898-67-3 <i>digestive</i>
	

Proposed International
Nonproprietary Name
(Latin, English)

Chemical Name or Description, Molecular and Graphic formulae
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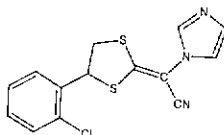
lamivudinum
lamivudine

(-)-1-[(2*R*,5*S*)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]cytosine
 $C_8H_{11}N_3O_3S$ 134678-17-4 *antiviral*



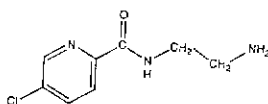
ianoconazolum
ianoconazole

(±)-α-[(*E*)-4-(*o*-chlorophenyl)-1,3-dithiolan-2-ylidene]imidazole-1-acetonitrile
 $C_{14}H_{10}ClN_3S_2$ 101530-10-3 *antifungal, dermatological*



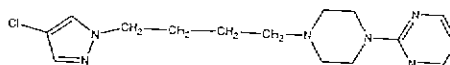
lazabemidum
lazabemide

N-(2-aminoethyl)-5-chloropicolinamide
 $C_8H_{10}ClN_3O$ 103878-84-8 *antiparkinsonian*



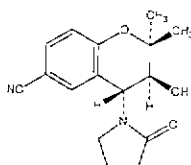
iesopitronum
iesopitron

2-[4-[4-(4-chloropyrazol-1-yl)butyl]-1-piperazinyl]pyrimidine
 $C_{15}H_{21}ClN_6$ 132449-46-8 *anxiolytic*



ievcromakalimum
ievcromakalim

(3*S*,4*R*)-3-hydroxy-2,2-dimethyl-4-(2-oxo-1-pyrrolidinyl)-6-chromancarbonitrile
 $C_{16}H_{15}N_2O_3$ 94535-50-9 *potassium channel activator*

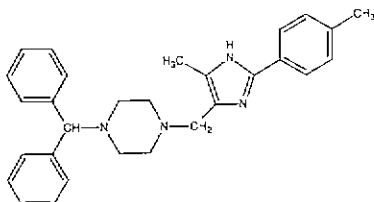


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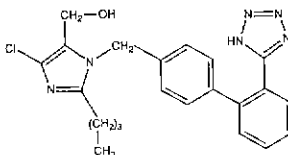
lifarizinum
lifarizine

1-(diphenylmethyl)-4-[(5-methyl-2-*p*-tolylimidazol-4-yl)methyl]piperazine
C₂₉H₃₂N₄ 119514-66-8 *vasodilator*



losartanum
losartan

2-butyl-4-chloro-1-[*p*-(*o*-1*H*-tetrazol-5-ylphenyl)benzyl]imidazole-5-methanol
C₂₂H₂₃ClN₅O 114798-26-4 *angiotensin II receptor antagonist*



maslimomabum
maslimomab

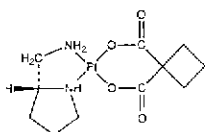
mouse monoclonal immunoglobulin G2b, anti-human T-cell receptor
 α/β chain
127757-92-0 *immunomodulator*

mecaserminum
mecasermin

insulin-like growth factor I (human)
C₃₃₁H₅₁₂N₉₄O₁₀₁S₇ 68562-41-4 *growth factor*

miboplatinum
miboplatin

(-)-*cis*-[(*R*)-2-(aminomethyl)pyrrolidine](1,1-cyclobutanedicarboxylato) =
platinum
C₁₁H₁₈N₂O₄Pt 103775-75-3 *antineoplastic*

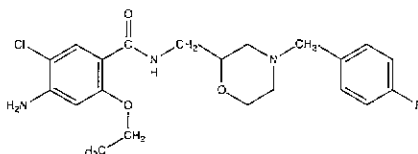


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mosapridum
mosapride

(±)-4-amino-5-chloro-2-ethoxy-*N*-[[4-(*p*-fluorobenzyl)-2-morpholinyl]=
methyl]benzamide
 $C_{21}H_{25}ClFN_3O_3$ 112885-41-3 *digestive*



nartograstimum
nartograstim

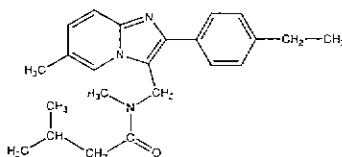
N-L-methionyl-1-L-alanine-3-L-threonine-4-L-tyrosine-5-L-arginine-17-L-serine =
colony-stimulating factor (human clone 1034)
 $C_{850}H_{1344}N_{226}O_{245}S_8$ 134088-74-7 *immunomodulator*
(for non-glycosylated protein)

nebacumabum
nebacumab

immunoglobulin M (human monoclonal HA-1A anti-endotoxin), disulfide with
human monoclonal HA-1A α -chain, pentameric dimer
138661-01-5 *immunomodulator*

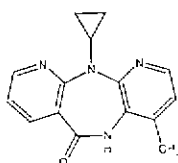
necopidemum
necopidem

N-[[2-(*p*-ethylphenyl)-6-methylimidazo[1,2-*a*]pyridin-3-yl]methyl]-*N*,3-
dimethylbutyramide
 $C_{23}H_{29}N_3O$ 103844-77-5 *anaesthetic*



nevirapinum
nevirapine

11-cyclopropyl-5,11-dihydro-4-methyl-6*H*-dipyrido[3,2-*b*:2',3'-*e*][1,4]diazepin-
6-one
 $C_{15}H_{14}N_4O$ 129618-40-2 *antiviral*

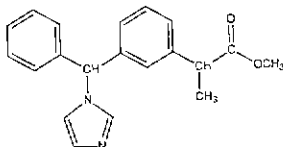


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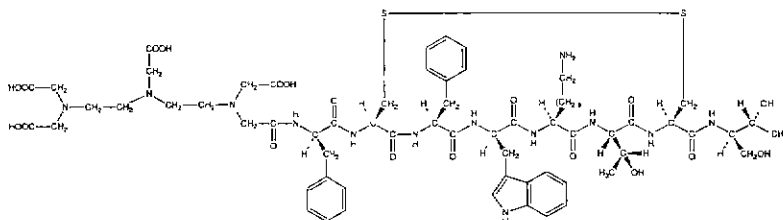
odalprofenum
odalprofen

methyl (+)-*m*-(α -imidazol-1-ylbenzyl)hydratropate
 $C_{20}H_{20}N_2O_2$ 137460-88-9 *nonsteroidal anti-inflammatory, analgesic*



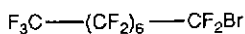
tetreotidum
pentetreotide

N-[2-[[2-bis(carboxymethyl)amino]ethyl](carboxymethyl)amino]ethyl]-*N*-(carboxymethyl)glycyl-D-phenylalanyl-L-cysteinyl-L-phenylalanyl-D-tryptophyl-L-lysyl-L-threonyl-*N*-[(1*R*,2*R*)-2-hydroxy-1-(hydroxymethyl)propyl]-L-cysteinamide cyclic (3→8)-disulfide
 $C_{63}H_{67}N_{13}O_{19}S_2$ 138661-02-6 *diagnostic agent, antineoplastic*



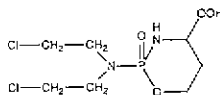
perflubronum
perflubron

1-bromoheptadecafluorooctane
 C_8BrF_{17} 423-55-2 *contrast medium*



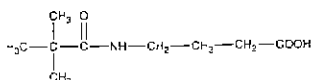
perfosamidum
perfosamide

(±)-*cis*-2-[bis(2-chloroethyl)amino]tetrahydro-2*H*-1,3,2-oxazaphosphorin-4-yl hydroperoxide, *P*-oxide
 $C_7H_{15}Cl_2N_2O_4P$ 62435-42-1 *antineoplastic*



pivagabinum
pivagabine

4-pivalamidobutyric acid
 $C_9H_{17}NO_3$ 69542-93-4 *antiparkinsonian, anticonvulsant*



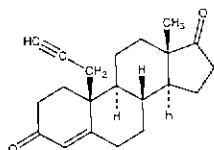
Proposed International
Nonproprietary Name
(Latin, English)

Chemical Name or Description, Molecular and Graphic formulae
Chemical Abstracts Service (CAS) registry number
Action and Use*

plomestatum
plomestane

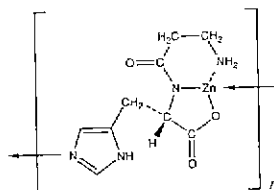
10-(2-propynyl)estr-4-ene-3,17-dione
 $C_{21}H_{26}O_2$ 77016-85-4

antineoplastic



polaprezincum
polaprezinc

catena-poly[zinc- μ -(β -alanyl-L-histidinato(2-)- $N,N^N,O:N^T$)]
($C_9H_{12}N_4O_5Zn$)_n 107667-60-7 antiulcer agent



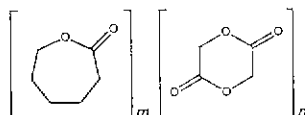
poliglecapronum
poliglecaprone

2-oxepanone polymer with *p*-dioxane-2,5-dione

"*m*" and "*n*" are the numerical values representing the mol percentages of the monomers. The value of "*m*" should be given as a figure after the INN, e.g. "poliglecaprone 90", which means "*m* = 90" and "*n* = 10".

($C_6H_{10}O_2$)_m($C_4H_4O_4$)_n 41706-81-4

pharmaceutical aid

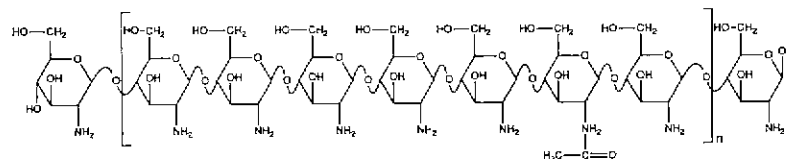


poliglusamum
poliglusam

chitosan

9012-76-4

haemostatic

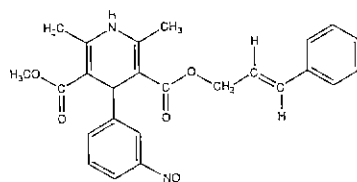


pranidipinum
pranidipine

(*E*)-cinnamyl methyl ($\pm$)-1,4-dihydro-2,6-dimethyl-4-(*m*-nitrophenyl)-3,5-pyridinedicarboxylate

$C_{25}H_{24}N_2O_6$ 99522-79-9

calcium channel blocker



Proposed International
Nonproprietary Name
(Latin, English)

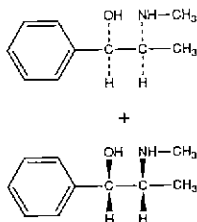
Chemical Name or Description, Molecular and Graphic formulae
Chemical Abstracts Service (CAS) registry number
Action and Use*

racephedrinum
racedrine

(±)-ephedrine
C₁₀H₁₅NO

90-81-3

sympathomimetic

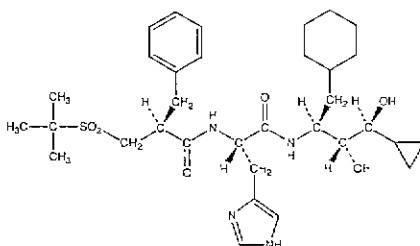


remikirenium
remikiren

(αS)-α-[(αS)-α-[(*tert*-butylsulfonyl)methyl]hydrocinnamamido]-N-[(1S,2R,3S)-1-(cyclohexylmethyl)-3-cyclopropyl-2,3-dihydroxypropyl]imidazole-4-propionamide
C₃₃H₅₀N₄O₆S

126222-34-2

renin inhibitor

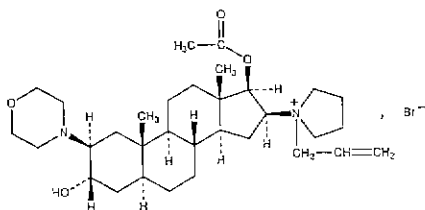


rocuronii bromidum
rocuronium bromide

1-allyl-1-(3α,17β-dihydroxy-2β-morpholino-5α-androstan-16β-yl)pyrrolidinium bromide, 17-acetate
C₃₂H₅₃BrN₂O₄

119302-91-9

neuromuscular receptor antagonist

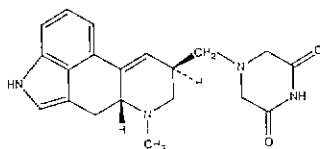


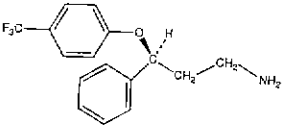
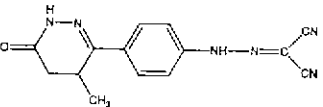
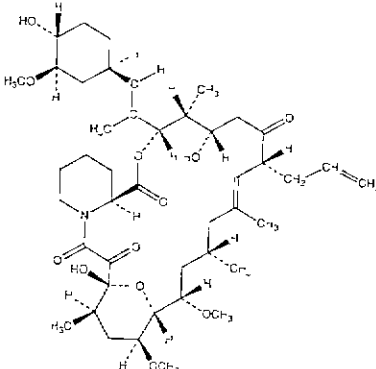
romergolinum
romergoline

4-[(9,10-didehydro-6-methylergolin-8β-yl)methyl]-2,6-piperazinedione
C₂₀H₂₂N₄O₂

107052-56-2

antiparkinsonian, antipsychotic



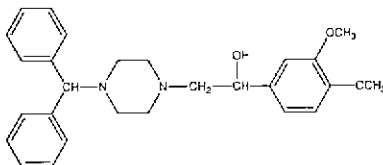
Proposed International Nonproprietary Name (Latin, English)	Chemical Name or Description, Molecular and Graphic formulae Chemical Abstracts Service (CAS) registry number Action and Use*
sargramostimum sargramostim	23-L-leucinecolony-stimulating factor 2 (human clone pHG25 protein moiety) $C_{639}H_{1002}N_{168}O_{196}S_6$ 123774-72-1 (for non-glycosylated protein) immunomodulator
seproxetinum seproxetine	(S)-3-phenyl-3-[(α,α,α -trifluoro- <i>p</i> -tolyl)oxy]propylamine $C_{16}H_{16}F_3NO$ 126924-38-7 antidepressant
	
sevirumabum sevirumab	human monoclonal immunoglobulin G1, κ -chain, anti-cytomegavirus immunomodulator
simendanum simendan	mesoxalonnitrile ($\pm$)-[<i>p</i> -(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]hydrazone $C_{14}H_{12}N_6O$ 131741-08-7 cardiac stimulant
	
somfaseporum somfasepor	8-190 growth hormone (pig) $C_{938}H_{1445}N_{257}O_{278}S_6$ 129566-95-6 growth hormone (vet.)
tacrolimusum tacrolimus	(-)-(3 <i>S</i> ,4 <i>R</i> ,5 <i>S</i> ,8 <i>R</i> ,9 <i>E</i> ,12 <i>S</i> ,14 <i>S</i> ,15 <i>R</i> ,16 <i>S</i> ,18 <i>R</i> ,19 <i>R</i> ,26 <i>aS</i>)-8-allyl-5,6,8,11,12,13,14,15,16,17,18,19,24,25,26,26 <i>a</i> -hexadecahydro-5,19-dihydroxy-3-[(<i>E</i>)-2-[(1 <i>R</i> ,3 <i>R</i> ,4 <i>R</i>)-4-hydroxy-3-methoxycyclohexyl]-1-methylvinyl]-14,16-dimethoxy-4,10,12,18-tetramethyl-15,19-epoxy-3 <i>H</i> -pyrido[2,1- <i>c</i>][1,4]oxa-azacyclotricosine-1,7,20,21(4 <i>H</i> ,23 <i>H</i>)-tetrone $C_{44}H_{69}NO_{12}$ 104987-11-3 immunosuppressant
	

Proposed International
Nonproprietary Name
(Latin, English)

Chemical Name or Description, Molecular and Graphic formulae
Chemical Abstracts Service (CAS) registry number
Action and Use*

tamolarizinium
tamolarizine

(±)-α-(3,4-dimethoxyphenyl)-4-(diphenylmethyl)-1-piperazineethanol
C₂₇H₃₂N₂O₃ 128229-52-7 *nootropic agent*

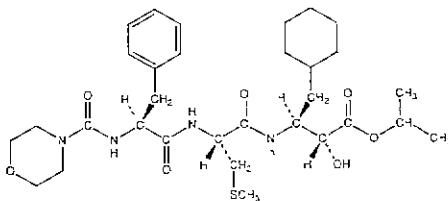


telimomabum aritoxum
telimomab aritox

ricin A chain-antibody T 101 Fab fragment immunotoxin
117305-33-6 *immunosuppressant*

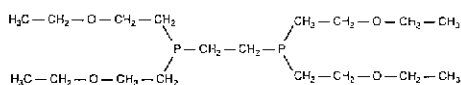
terlakirenum
terlakiren

isopropyl (αR,βS)-α-hydroxy-β-[(R)-3-(methylthio)-2-[(S)-α-4-morpholinecarboxamidohydrocinnamamido]propionamido] = cyclohexanecarboxylate
C₃₁H₄₈N₄O₇S 119625-78-4 *renin inhibitor*



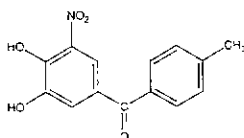
tetrofosminum
tetrofosmin

ethylenebis[bis(2-ethoxyethyl)phosphine]
C₁₈H₄₀O₄P₂ 127502-06-1 *diagnostic agent*



toicaponium
toicapone

3,4-dihydroxy-4'-methyl-5-nitrobenzophenone
C₁₄H₁₁NO₅ 134308-13-7 *antiparkinsonian*

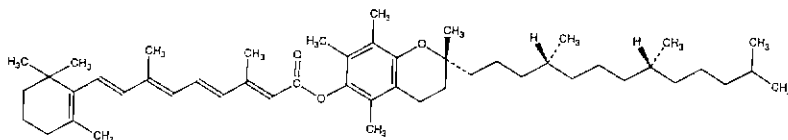


Proposed International
Nonproprietary Name
(Latin, English)

Chemical Name or Description, Molecular and Graphic formulae
Chemical Abstracts Service (CAS) registry number
Action and Use*

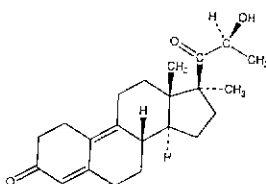
tretinoinum tocoferilum
tretinoin tocoferil

(±)-(2*R**)-2,5,7,8-tetramethyl-2-[(4*R**,8*R**)-4,8,12-trimethyltridecyl]-6-
chromanyl retinoate
 $C_{49}H_{76}O_3$ 40516-48-1 *vitamin*



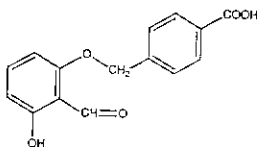
trimegestonum
trimegestone

17β-(*S*)-lactoyl-17-methylestra-4,9-dien-3-one
 $C_{22}H_{30}O_3$ 74513-62-5 *progestogen*



tucaresolum
tucaresol

α-(2-formyl-3-hydroxyphenoxy)-*p*-toluic acid
 $C_{15}H_{12}O_5$ 84290-27-7 *antianaemic*

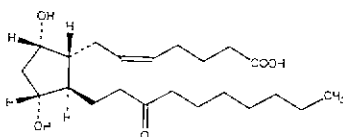


tuvirumabum
tuvirumab

human monoclonal immunoglobulin G1, λ-chain, anti-hepatitis B virus
surface antigen
immunomodulator

unoprostonum
unoprostone

(+)-(Z)-7-[(1*R*2*R*,3*R*,5*S*)-3,5-dihydroxy-2-(3-oxodecyl)cyclopentyl]-5-
heptenoic acid
 $C_{22}H_{38}O_5$ 120373-36-6 *antiglaucoma*

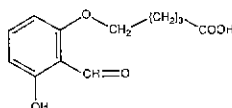


Proposed International
Nonproprietary Name
(Latin, English)

Chemical Name or Description, Molecular and Graphic formulae
Chemical Abstracts Service (CAS) registry number
Action and Use*

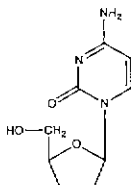
velaresolum
velaresol

5-(2-formyl-3-hydroxyphenoxy)valeric acid
 $C_{12}H_{14}O_5$ 77858-21-0 *antianaemic*



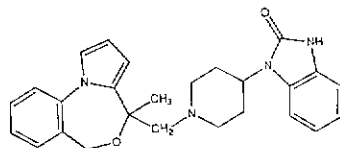
zalcitabinum
zalcitabine

2',3'-dideoxycytidine
 $C_9H_{13}N_3O_3$ 7481-89-2 *antiviral*



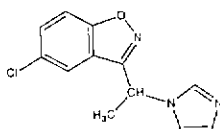
zaldaridum
zaldaride

(±)-1-[1-[(4-methyl-4*H*,6*H*-pyrrolo[1.2-*a*][4,1]benzoxazepin-4-yl)methyl]-4-piperidyl]-2-benzimidazolinone
 $C_{26}H_{28}N_4O_2$ 109826-26-8 *antidiarrhoeal*



zoniclezolum
zoniclezole

5-chloro-3-(1-imidazol-1-ylethyl)-1,2-benzisoxazole
 $C_{12}H_{10}ClN_3O$ 121929-20-2 *anticonvulsant*

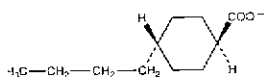


Names for Radicals and Groups

Some substances for which a proposed International Nonproprietary Name has been established may be used in the form of salts or esters. The radicals or groups involved may be of complex composition and it is then inconvenient to refer to them in systematic chemical nomenclature. Consequently, shorter nonproprietary names for some radicals and groups have been devised or selected, and they are suggested for use with the proposed International Nonproprietary Names.

buciclas
buciclate

trans-4-butylcyclohexanecarboxylate
 $C_{11}H_{19}O_2$



AMENDMENTS TO PREVIOUS LISTS

Supplement to WHO Chronicle, Vol. 34, No. 9, 1980

Proposed International Nonproprietary Names (Prop. INN): List 44

p. 12 felodipinum
felodipine

replace the chemical name and the CAS registry number by the following:

(±)-ethyl methyl 4-(2,3-dichlorophenyl)-1,4-dihydro-2,6-dimethyl-
3,5-pyridinedicarboxylate
86189-69-7

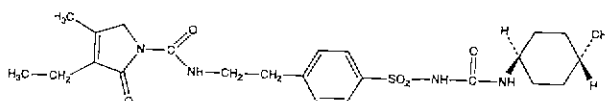
Supplement to WHO Chronicle, Vol. 39, No. 5, 1985

Proposed International Nonproprietary Names (Prop. INN): List 53

p. 12 glimepiridum
glimepiride

replace the chemical name and the graphic formula by the following:

1-[[p-[2-(3-ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido)=
ethyl]phenyl]sulfonyl]-3-(trans-4-methylcyclohexyl)urea



WHO Drug Information, Vol. 1, No. 2, 1987

Proposed International Nonproprietary Names (Prop. INN): List 57

p. 104 ramoplaninum
ramoplanin

replace the description, molecular formula and CAS registry number by the following:

glycopeptide antibiotic produced by *actinoplanes* species ATCC33076
Ramoplanin is a complex antibiotic consisting of a main component
designated as ramoplanin A₂ and a small amount of related substances,
ramoplanin A₁ and A₃.
C₁₁₂₋₁₂₀H₁₄₂₋₁₅₆ClN₂₁O₃₅₋₄₀ 76168-82-6

WHO Drug Information, Vol. 2, No. 4, 1988

Proposed International Nonproprietary Names (Prop. INN): List 60

p. 15 delete

orlipastatum
orlipastat

insert

orlistatum
orlistat

WHO Drug Information, Vol. 3, No. 4, 1989

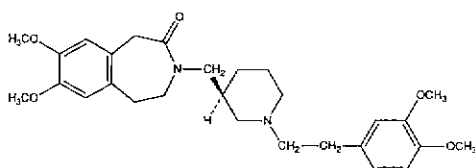
Proposed International Nonproprietary Names (Prop. INN): List 62

p. 6	epoetin alfa epoetin alfa	replace the description by the following: human 1-165-erythropoietin, glycoform α
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WHO Drug Information, Vol. 4, No. 2, 1990

Proposed International Nonproprietary Names (Prop. INN): List 63

p. 4	cilobradinum cilobradine	delete the CAS registry number and replace the chemical name and the graphic formula by the following: (+)-(S)-3-[[1-(3,4-dimethoxyphenethyl)-3-piperidyl]methyl]-1,3,4,5-tetrahydro-7,8-dimethoxy-2H-3-benzazepin-2-one
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WHO Drug Information, Vol. 4, No. 4, 1990

Proposed International Nonproprietary Names (Prop. INN): List 64

p. 7	corticoirelinum corticorlin	replace the description, molecular and graphic formula by the following: corticotropin-releasing factor; the species specificity should be indicated in brackets behind the name e.g .
------	--------------------------------	---

corticoirelin (human)

$C_{208}H_{344}N_{60}O_{63}S_2$

H — Ser — Glu — Glu — Pro — Pro — Ile — Ser — Leu — Asp — Leu — Thr — Phe — His — Leu —
Leu — Arg — Glu — Val — Leu — Glu — Met — Ala — Arg — Ala — Glu — Gln — Leu — Ala —
Gln — Gln — Ala — His — Ser — Asn — Arg — Lys — Leu — Met — Glu — Ile — Ile — NH_2

corticoirelin (ovine)

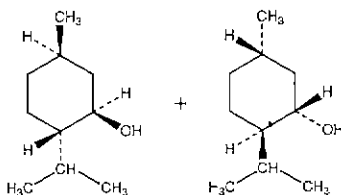
$C_{205}H_{339}N_{59}O_{63}S$

H — Ser — Gln — Glu — Pro — Pro — Ile — Ser — Leu — Asp — Leu — Thr — Phe —
His — Leu — Leu — Arg — Glu — Val — Leu — Glu — Met — Thr — Lys — Ala —
Asp — Gln — Leu — Ala — Gln — Gln — Ala — His — Ser — Asn — Arg — Lys —
Leu — Leu — Asp — Ile — Ala — NH_2

p. 12	lenograstimum lenograstim	insert the following CAS registry number: 135968-09-1
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p. 20 racementolum
racementol

replace the graphic formula by the following:



p. 27 fendizoatum
fendizoate

delete the CAS registry number:

p. 27 loprazolamum
loprazolam

replace the CAS registry number by the following:

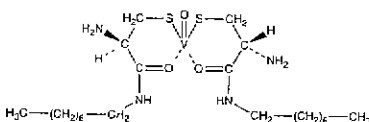
61197-73-7

WHO Drug Information, Vol. 5, No. 2, 1991

Proposed International Nonproprietary Names (Prop. INN): List 65

p. 9 naglivanum
naglivan

replace the graphic formula by the following:



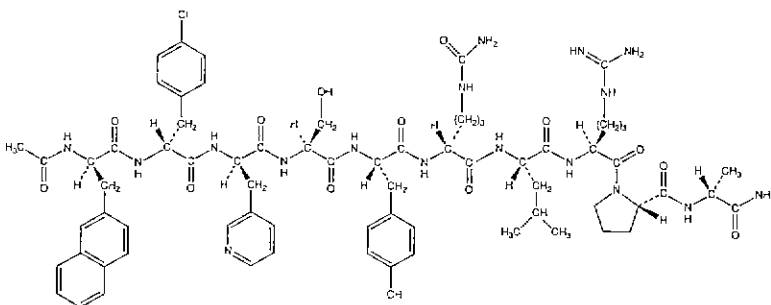
p. 10 polifeprosanum
polifeprosan

add the following:

"m" and "n" are the numerical values representing the mass percentages of the monomers. The value of "m" should be given as a figure after the INN, e.g. "polifeprosan 20", which means "m = 20" and "n = 80".

p. 17 cetorelixum
cetorelix

replace the graphic formula by the following:



p. 19 terikalantum
terikalant

replace the chemical name by the following:

(-)-(S)-1-[2-(4-chromanyl)ethyl]-4-(3,4-dimethoxyphenyl)piperidine

Procedure and Guiding Principles

The text of the *Procedures for the Selection of Recommended International Nonproprietary Names for Pharmaceutical Substances* and *General Principles for Guidance in Devising International Nonproprietary Names for Pharmaceutical Substances* appeared in list 65 of proposed INN and will appear again in the next list.