

International Nonproprietary Names for Pharmaceutical Substances (INN)

Notice is hereby given that, in accordance with article 3 of the Procedure for the Selection of Recommended International Nonproprietary Names for Pharmaceutical Substances, 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.

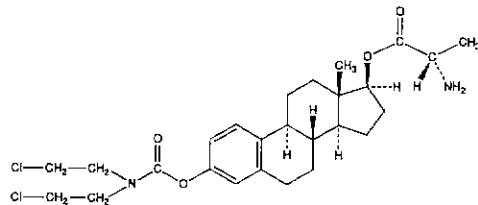
Comments on, or formal objections to, the proposed names may be forwarded by any person to the INN Programme of the World Health Organization within four months of the date of their publication in *WHO Drug Information*, i.e., for List 68 Proposed INN not later than 30 June 1993.

Proposed International Nonproprietary Names: List 68

Lists of proposed (1-65) and recommended (1-31) international nonproprietary names can be found in Cumulative List No. 8, 1992.

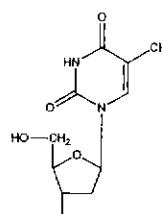
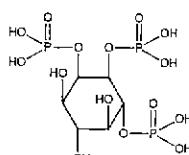
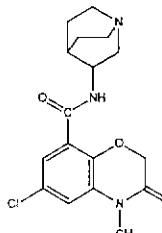
| Proposed International Nonproprietary Name (Latin, English) | Chemical Name or Description, Molecular and Graphic formulae Chemical Abstracts Service (CAS) registry number Action and Use* |
|--|---|
|--|---|

| | |
|-----------------------------------|--|
| alestramustinum alestramustine | estradiol 3-[bis(2-chloroethyl)carbamate], 17-ester with L-alanine $C_{26}H_{36}Cl_2N_2O_4$ 139402-18-9 antineoplastic |
|-----------------------------------|--|



| | |
|-----------------------------|--|
| alglucerasum alglucerase | glucosylceramidase (human placenta isoenzyme protein moiety reduced) $C_{2532}H_{3854}N_{672}O_{711}S_{16}$ 143003-46-7 glucocerebrosidase (for non-glycosylated protein) |
|-----------------------------|--|

***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.

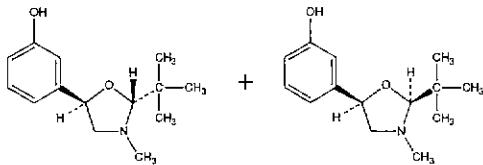
| <i>Proposed International Nonproprietary Name (Latin, English)</i> | <i>Chemical Name or Description, Molecular and Graphic formulae Chemical Abstracts Service (CAS) registry number Action and Use*</i> |
|--|---|
| alovudinum alovudine | 3'-deoxy-3'-fluorothymidine $C_{10}H_{13}FN_2O_4$ 25526-93-6 <i>antiviral</i>  |
| altumomabum altumomab | immunoglobulin G 1 (mouse monoclonal ZCE025 anti-human antigen CEA), disulfide with mouse monoclonal ZCE025 light chain, dimer <i>radiodiagnostic monoclonal antibody</i> |
| ardeparinum naticum ardeparin sodium | Sodium salt of depolymerized heparin obtained by peroxide degradation (at elevated temperature) of heparin from pork intestinal mucosa: the end chain structure appears to be the same as the starting material with no unusual sugar residues present; the low molecular weight heparin produced differs from the starting material in molecular weight only; the average relative molecular mass range is 5,500 to 6,500 daltons, 98 per cent of which ranging between 2,000 and 15,000; the degree of sulfation is approximately 2.7 per disaccharidic unit. <i>anticoagulant</i> |
| atrinositolum atrinositol | D-myoinositol 1,2,6-tris(dihydrogen phosphate) $C_6H_{15}O_{15}P_3$ 28841-62-5 <i>neuropeptide antagonist</i>  |
| avicatoninum avicatonin | 1-butyric acid-2-L-alanine-3-L-serine-7-(L-2-aminobutyric acid)-26-L-aspartic acid-27-L-valine-29-L-alaninecalcitonin (salmon) $C_{147}H_{243}N_{41}O_{46}$ 103451-84-9 <i>calcium regulator</i> |
| azasetronum azasetron | (±)-6-chloro-3,4-dihydro-4-methyl-3-oxo-N-3-quinuclidinyl-2H-1,4-benzoxazine-8-carboxamide $C_{17}H_{20}ClN_3O_3$ 123040-69-7 <i>serotonin receptor antagonist</i>  |

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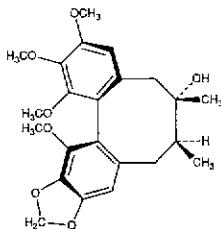
beretrinum
beretrine

m-[(2*R*,5*R*)-2-*tert*-butyl-3-methyl-5-oxazolidinyl]phenol mixture with *m*-[(2*S*,5*R*)-2-*tert*-butyl-3-methyl-5-oxazolidinyl]phenol
C₁₄H₂₁NO₂ 105567-83-7 mydriatic



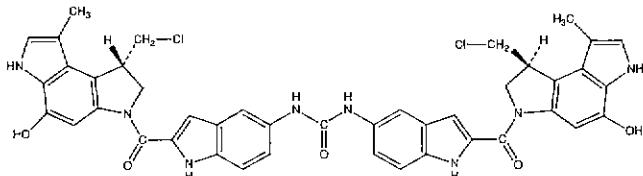
besigomsinum
besigomsin

(+)-(6*S*,7*S*,*biar-R*)-5,6,7,8-tetrahydro-1,2,3,13-tetramethoxy-6,7-dimethylbenzo[3,4]cycloocta[1,2-*f*][1,3]benzodioxol-6-ol
C₂₃H₂₈O₇ 58546-54-6 hepatoprotectant



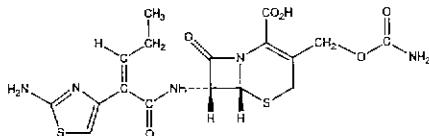
bizelesinum
bizelesin

1,3-bis[2-[(*S*)-1-(chloromethyl)-1,6-dihydro-5-hydroxy-8-methylbenzo[1,2-*b*.4-*b*']dipyrrol-3(2*H*)-yl]carbonyl]indol-5-yl]urea
C₄₃H₃₆Cl₂N₈O₈ 129655-21-6 antineoplastic



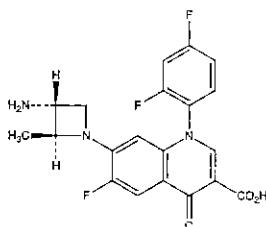
cefcapenum
cefcapene

(6*R*,7*R*)-7-[(*Z*)-2-(2-amino-4-thiazolyl)-2-pentenamido]-3-(hydroxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, carbamate (ester)
C₁₇H₁₉N₅O₆S₂ 135889-00-8 antibiotic



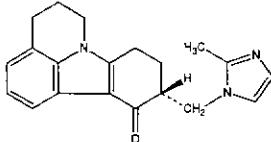
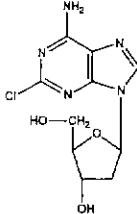
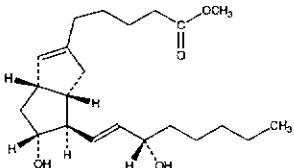
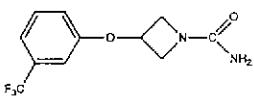
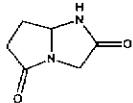
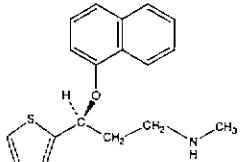
cetefloxacinum
cetefloxacin

(*-*)-7-[(2*S*,3*R*)-3-amino-2-methyl-1-azetidinyl]-1-(2,4-difluorophenyl)-6-fluoro-1,4-dihydro-4-oxo-3-quinolincarboxylic acid
C₂₀H₁₆F₃N₃O₃ 141725-88-4 antibacterial



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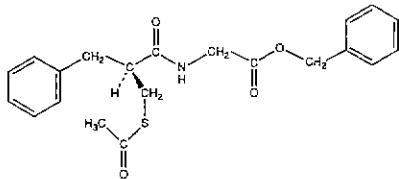
| | | |
|------------------------------|--|--|
| cilansetronum cilansetron | (<i>-</i>)-(R)-5,6,9,10-tetrahydro-10-[(2-methylimidazol-1-yl)methyl]-4 <i>H</i> -pyrido[3,2,1-j,k]carbazol-11(8 <i>H</i>)-one C ₂₀ H ₂₁ N ₃ O 120635-74-7 | serotonin receptor antagonist  |
| cladribinum cladribine | 2-chloro-2'-deoxyadenosine C ₁₀ H ₁₂ ClN ₅ O ₃ 4291-63-8 | antileukaemic  |
| cliprostum claprost | (+)-methyl (3aS,5R,6R,6aS)-1,3a,4,5,6,6a-hexahydro-5-hydroxy-6-[(<i>E</i>)-(3 <i>S</i>)-3-hydroxy-1-octenyl]-2-pentalenevalerate C ₂₂ H ₃₆ O ₄ 88931-51-5 | platelet aggregation inhibitor  |
| dezinamidum dezinamide | 3-[(α,α,α -trifluoro- <i>m</i> -tolyl)oxy]-1-azetidinecarboxamide C ₁₁ H ₁₁ F ₃ N ₂ O ₂ 91077-32-6 | anticonvulsant  |
| dimiracetatum dimiracetam | (\pm)-dihydro-1 <i>H</i> -pyrrolo[1,2- <i>a</i>]imidazole-2,5(3 <i>H</i> ,6 <i>H</i>)-dione C ₆ H ₈ N ₂ O ₂ 126100-97-8 | nootropic  |
| duloxetinum duloxetine | (<i>+</i>)-(S)- <i>N</i> -methyl- γ -(1-naphthoxy)-2-thiophenepropylamine C ₁₈ H ₁₉ NOS 116539-59-4 | antidepressant  |

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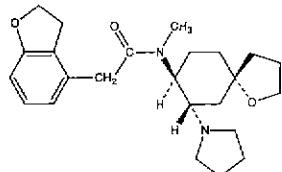
ecadotrilum
ecadotril

*N-[(S)- α -(mercaptomethyl)hydrocinnamoyl]glycine, benzyl ester, acetate (ester)
C₂₁H₂₃NO₄S 112573-73-6 endopeptidase inhibitor*



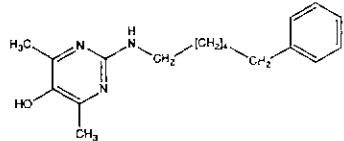
enadolimum
enadoline
)

*N-methyl-N-[(5R,7S,8S)-7-(1-pyrrolidinyl)-1-oxaspiro[4.5]dec-8-yl]-4-
benzofuranacetamide
C₂₄H₃₂N₂O₃ 124378-77-4 analgesic*



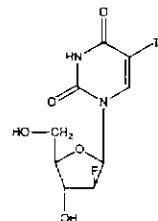
enazadremum
enazadrem

*4,6-dimethyl-2-[(6-phenylhexyl)amino]-5-pyrimidinol
C₁₈H₂₅N₃O 107361-33-1 antipsoriatic*



fialuridinum
fialuridine

*1-(2-deoxy-2-fluoro- β -D-arabinofuranosyl)-5-iodouracil
C₉H₁₀FIN₂O₅ 69123-98-4 antiviral*



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ganefromycinum
ganefromycin

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An antibiotic produced by *Streptomyces lydicus*
Ganefromycin is a complex antibiotic with two major components: α and β .

component α

($2E,4E,6E$)-7-[($2R^*,3R^*,5R^*$)-5-[7-[($3E,5E$)-3-[[O -2,6-dideoxy-3- O -methyl- α -lyxo-hexopyranosyl-(1 \rightarrow 4)- O -2,6-dideoxy-3- O -methyl- β -ribo-hexopyranosyl-(1 \rightarrow 4)-2,6-dideoxy-3- O -methyl- α -lyxo-hexopyranosyl]oxy]-2-[($2S^*,3S^*,4S^*,6R^*$)-tetrahydro-2,3,4-trihydroxy-5,5-dimethyl-6-[($1E,3Z$)-1,3-pentadienyl]-2H-pyran-2-y][propionamido]-2-methoxy-1,3-dimethyl-3,5-heptadienyl]tetrahydro-3-hydroxy-2-furyl]-2,4,6-heptatrienoic acid, 2¹-phenylacetate

114451-31-9

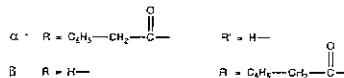
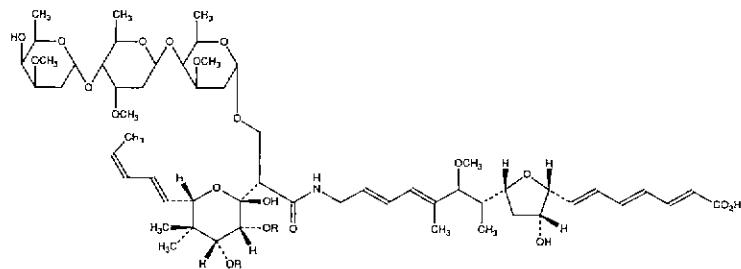
component β

($2E,4E,6E$)-7-[($2R^*,3R^*,5R^*$)-5-[7-[($3E,5E$)-3-[[O -2,6-dideoxy-3- O -methyl- α -lyxo-hexopyranosyl-(1 \rightarrow 4)- O -2,6-dideoxy-3- O -methyl- β -ribo-hexopyranosyl-(1 \rightarrow 4)-2,6-dideoxy-3- O -methyl- α -lyxo-hexopyranosyl]oxy]-2-[($2S^*,3S^*,4S^*,6R^*$)-tetrahydro-2,3,4-trihydroxy-5,5-dimethyl-6-[($1E,3Z$)-1,3-pentadienyl]-2H-pyran-2-y][propionamido]-2-methoxy-1,3-dimethyl-3,5-heptadienyl]tetrahydro-3-hydroxy-2-furyl]-2,4,6-heptatrienoic acid, 2¹-phenylacetate

114451-30-8

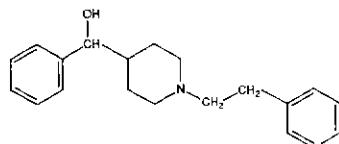
C₆₅H₈₅NO₂₁ (*empirical molecular formula*)

*growth stimulant,
antibacterial (vet.)*



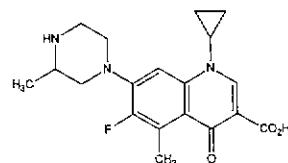
glemanserinum
glemanserin

(\pm)-1-phenethyl- α -phenyl-4-piperidinemethanol
C₂₀H₂₅NO 107703-78-6 serotonin receptor antagonist



grepafloxacinum
grepafloxacin

(\pm)-1-cyclopropyl-6-fluoro-1,4-dihydro-5-methyl-7-(3-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid
C₁₉H₂₂FN₃O₃ 119914-60-2 antibacterial

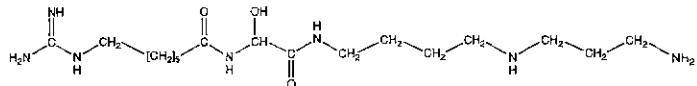


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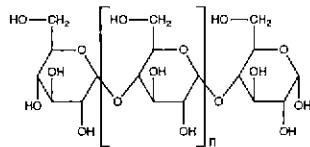
gusperimus
gusperimus

(\pm)-N-[[[4-[(3-aminopropyl)amino]butyl]carbamoyl]hydroxymethyl]-7-guanidinoheptanamide
 $C_{17}H_{37}N_7O_3$ 104317-84-2 immunosuppressant



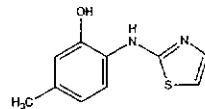
icodextrinum
icodextrin

dextrin, having more than 85% of its molecules with molecular masses between 1640 and 45000 with a claimed-average molecular mass of approximatively 20000
 $[C_6H_{12}O_6]_n$ 9004-53-9 peritoneal dialysis fluid



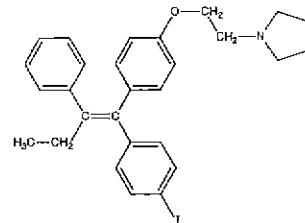
icodulinine
icodulinum

6-(2-thiazolylamino)-m-cresol
 $C_{10}H_{10}N_2OS$ 138511-81-6 non steroidai anti-inflammatory



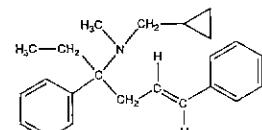
idoxifenum
idoxifene

1-[2-[*p*-[(*E*- β -ethyl- α -(*p*-iodophenyl)styryl]phenoxy]ethyl]pyrrolidine
 $C_{28}H_{30}INO$ 116057-75-1 antineoplastic



igmesinum
igmesine

(+)- α -[(*E*)-cinnamyl]- N -(cyclopropylmethyl)- α -ethyl- N -methylbenzylamine
 $C_{23}H_{29}N$ 140850-73-3 σ opiate receptor antagonist

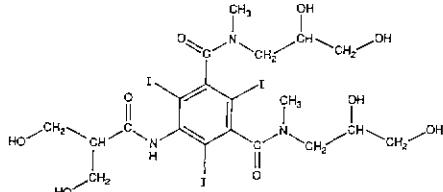


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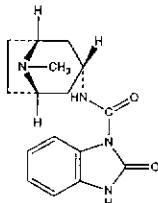
iobitridolum
iobitridol

N,N'-bis(2,3-dihydroxypropyl)-5-[2-(hydroxymethyl)hydracrylamido]-2,4,6-triodo-N,N'-dimethylisophthalamide
 $C_{20}H_{28}I_3N_3O_9$ 136949-58-1 *contrast medium*



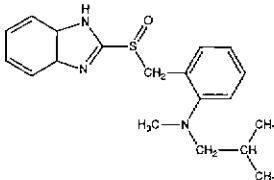
itaseronum
itaseron

2-oxo-N-1 α H,5 α H-tropan-3 α -yl-1-benzimidazoline-1-carboxamide
 $C_{16}H_{20}N_4O_2$ 123258-84-4 *serotonin receptor antagonist*



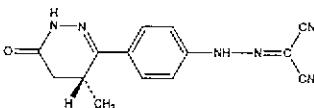
leminoprazolum
leminoprazole

(\pm) -2-[[ρ -(isobutylmethylamino)benzyl]sulfinyl]benzimidazole
 $C_{19}H_{23}N_3OS$ 104340-86-5 *antiulcer*



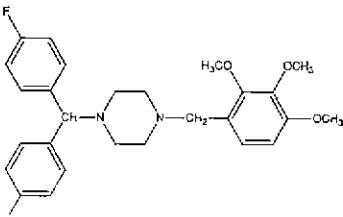
levosimendanum
levosimendantan

mesoxalonitrile (-)-[ρ [(*R*)-1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl]phenyl]hydrazone
 $C_{14}H_{12}N_6O$ 141505-33-1 *cardiac stimulant*



lomerizinium
lomerizine

1-[bis(*p*-fluorophenyl)methyl]-4-(2,3,4-trimethoxybenzyl)piperazine
 $C_{27}H_{30}F_2N_2O_3$ 101477-55-8 *cerebral vasodilator*

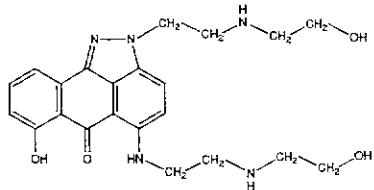


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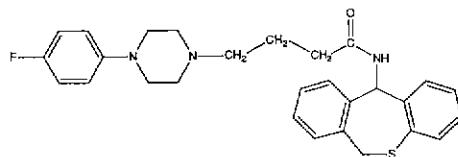
losoxantronum
losoxantrone

7-hydroxy-2-[2-[(2-hydroxyethyl)amino]ethyl]-5-[[2-[(2-hydroxyethyl)amino]ethyl]amino]anthra[1,9-*cd*]pyrazol-6(2*H*)-one
C₂₂H₂₇N₅O₄ 88303-60-0 antineoplastic



monatepilum
monatepil

(±)-N-(6,11-dihydrodibenzo[*b,e*]thiepin-11-yl)-4-(*p*-fluorophenyl)-1-piperazinebutyramide
C₂₆H₃₀FN₃OS 132019-54-6 calcium channel blocker

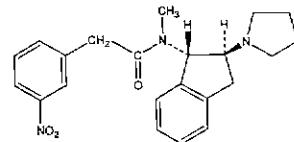


nasaruplasum
nasaruplase

prourokinase (enzyme-activating) (human clone pA3/pD2/pF1 protein moiety)
C₂₀₃₁H₃₁₂₁N₅₈₅O₆₀₁S₃₁ 99821-44-0 enzyme

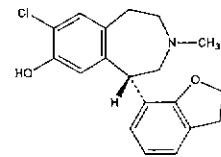
niravolinum
niravoline

N-methyl-2-(*m*-nitrophenyl)-*N*-[(1*S,2S*)-2-(1-pyrrolidinyl)-1-indanyl]acetamide
C₂₂H₂₅N₃O₃ 130610-93-4 diuretic



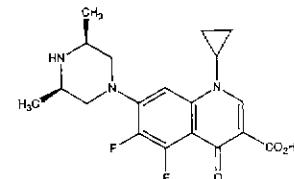
odapipamum
odapipam

(+)-(S)-8-chloro-5-(2,3-dihydro-7-benzofuranyl)-2,3,4,5-tetrahydro-3-methyl-1*H*-3-benzazepin-7-ol
C₁₉H₂₀ClNO₂ 131796-63-9 dopamine D₁ receptor antagonist



orbifloxacinum
orbifloxacin

1-cyclopropyl-7-(*cis*-3,5-dimethyl-1-piperazinyl)-5,6,8-trifluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid
C₁₉H₂₀F₃N₃O₃ 113617-63-3 antibacterial

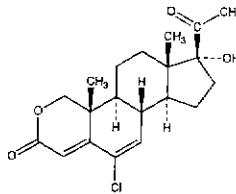


*Proposed International
Nonproprietary Name
(Latin, English)*

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

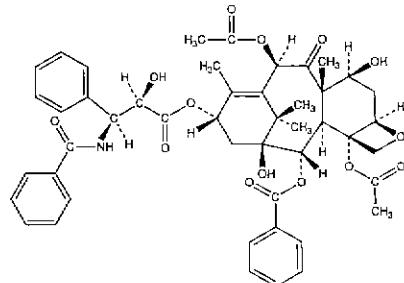
osateronum
osaterone

(+)-6-chloro-17-hydroxy-2-oxapregna-4,6-diene-3,20-dione
C₂₀H₂₅ClO₄ 105149-04-0 antiandrogen, progestogen



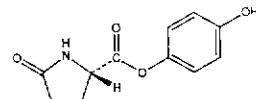
paclitaxelum
paclitaxel

(2aR,4aS,4aS,6R,9S,11S,12S,12aR,12bS)-1,2a,3,4,4a,6,9,10,11,12,12a,12b-dodecahydro-4,6,9,11,12,12b-hexahydroxy-4a,8,13,13-tetramethyl-7,11-methano-5H-cyclodeca[3,4]benz[1,2-*b*]oxet-5-one, 6,12b-diacetate, 12-benzoate, 9-ester with (2*R*,3*S*)-*N*-benzoyl-3-phenylisoserine
C₄₇H₅₁NO₄ 33069-62-4 antineoplastic



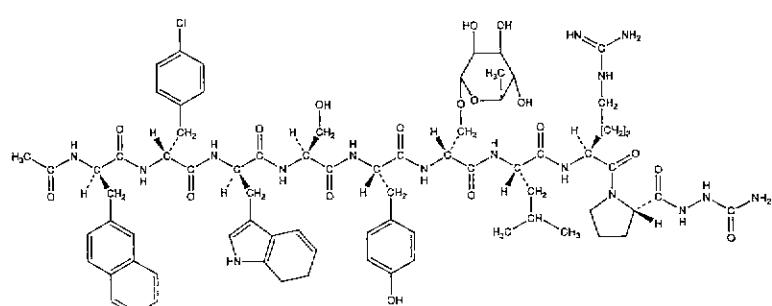
pidobenzanum
pidobenzone

5-oxo-L-proline, *p*-hydroxyphenyl ester
C₁₁H₁₁NO₄ 138506-45-3 melanine synthesis inhibitor



ramorelixum
ramorelix

1-[*N*-acetyl-3-(2-naphthyl)-D-alanyl-*p*-chloro-D-phenylalanyl-D-tryptophyl-L-seryl-L-tyrosyl-O-(6-deoxy- α -L-mannopyranosyl)-D-seryl-L-leucyl-L-arginyl-L-prolyl]semicarbazide
C₇₄H₈₅CIN₁₆O₁₈ 136639-71-9 luteinizing-hormone-releasing-hormone inhibitor

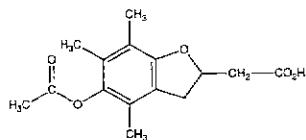


*Proposed International
Nonproprietary Name
(Latin, English)*

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

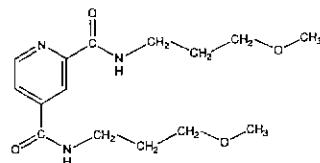
raxofelastum
raxofelast

(\pm)-2,3-dihydro-5-hydroxy-4,6,7-trimethyl-2-benzofuranacetic acid, acetate
 $C_{15}H_{18}O_5$ 128232-14-4 antiasthmatic, anti-inflammatory



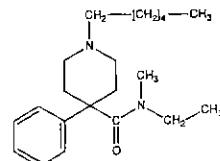
safironium
safironil

N,N'-bis(3-methoxypropyl)-2,4-pyridinedicarboxamide
 $C_{15}H_{23}N_3O_4$ 134377-69-8 collagen inhibitor



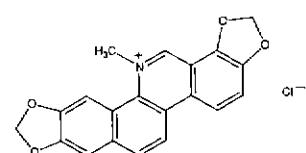
sameridinum
sameridine

N-ethyl-1-hexyl-*N*-methyl-4-phenylisonipecotamide
 $C_{21}H_{34}N_2O$ 143257-97-0 analgesic, local anaesthetic



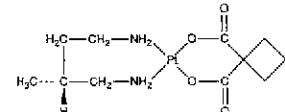
sanguinarii chloridum
sanguinarium chloride

sanguinarine chloride or 13-methyl[1,3]benzodioxolo[5,6-*c*]-1,3-dioxolo[4,5-*i*]=phenanthridinium chloride
 $C_{20}H_{14}ClNO_4$ 5578-73-4 anti-inflammatory; antimicrobial; antifungal



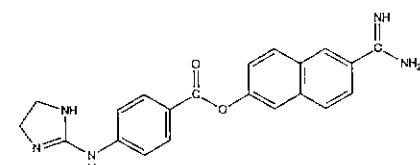
β briplatinum
 β briplatin

(+)-*cis*-(1,1-cyclobutanedicarboxylato)[(2*R*)-2-methyl-1,4-butanediamine-*N,N'*]platinum
 $C_{11}H_{20}N_2O_4Pt$ 110172-45-7 antineoplastic



sepimostatum
sepimostat

6-amidino-2-naphthyl *p*-(2-imidazolin-2-ylamino)benzoate
 $C_{21}H_{19}N_5O_2$ 103926-64-3 protease inhibitor



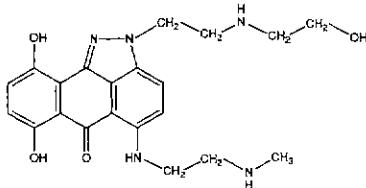
| Proposed International Nonproprietary Name (Latin, English) | Chemical Name or Description, Molecular and Graphic formulae Chemical Abstracts Service (CAS) registry number Action and Use* |
|---|--|
| siratiazemum siratiazem | (+)-(2S,3S)-2,3-dihydro-3-hydroxy-5-[2-(isopropylmethylamino)ethyl]-2-(<i>p</i> -methoxyphenyl)-1,5-benzothiazepin-4(5 <i>H</i>)-one acetate (ester) C ₂₄ H ₃₀ N ₂ O ₄ S 138778-28-6 antianginal, antihypertensive |
| | <p>The chemical structure shows a benzothiazepine ring system. At position 4, there is a methoxyphenyl group (-OCH₂Ph). At position 5, there is a side chain: a methylene group (-CH₂-), followed by an isopropylmethylamino group (-N(CH₃)₂CH₂-), and finally a hydroxyl group (-OH). At position 2, there is a hydroxyl group (-OH) and a methyl group (-CH₃). At position 3, there is another methyl group (-CH₃). The carbons are labeled with stereochemistry (S and R).</p> |
| sonerminum sonermin | 3-157-tumor necrosis factor (human) C ₇₆₇ H ₁₂₀₄ N ₂₁₀ O ₂₂₉ S ₂ 144916-42-7 antineoplastic |
| sulopenemum sulopenem | (<i>5R,6S</i>)-6-[(1 <i>R</i>)-1-hydroxyethyl]-7-oxo-3-[[<i>(3S</i>)-tetrahydro-3-thienyl]thio]-4-thia-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, (<i>R</i>)-S-oxide C ₁₂ H ₁₅ NO ₅ S ₃ 120788-07-0 antibacterial |
| | <p>The chemical structure shows a complex bicyclic system. It features a hept-2-ene-2-carboxylic acid core with a thienylthio group at position 3. There is an S-oxide group at position 6 and an R group at position 5. A hydroxymethyl group (-CH₂OH) is attached to the hept-2-ene-2-carboxylic acid chain.</p> |
| tallimustinium tallimustine | N"--(2-amidinoethyl)-4-[<i>p</i> -[bis(2-chloroethyl)amino]benzamido]-1,1',1"-trimethyl-N,N',N",N"-ter[pyrrole-2-carboxamide] C ₃₂ H ₃₈ Cl ₂ N ₁₀ O ₄ 115308-98-0 antineoplastic |
| | <p>The chemical structure shows a complex polycyclic system. It consists of four pyrrole-2-carboxamide units linked together at their 5-positions. Each unit has a bis(2-chloroethyl)amino group and a trimethylbenzamido group attached to the 4-position.</p> |
| tarazepidum tarazepide | (-)- <i>N</i> -(<i>S</i>)-2,3-dihydro-1-methyl-2-oxo-5-phenyl-1 <i>H</i> -1,4-benzodiazepin-3-yl]-5,6-dihydro-4 <i>H</i> -pyrrolo[3,2,1- <i>ij</i>]quinoline-2-carboxamide C ₂₈ H ₂₄ N ₄ O ₂ 141374-81-4 cholecystokinin inhibitor |
| | <p>The chemical structure shows a fused heterocyclic system. It features a benzodiazepine ring fused to a pyrroloquinoline system. The pyrroloquinoline ring has a phenyl group at position 5 and a carboxamide group at position 2.</p> |

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

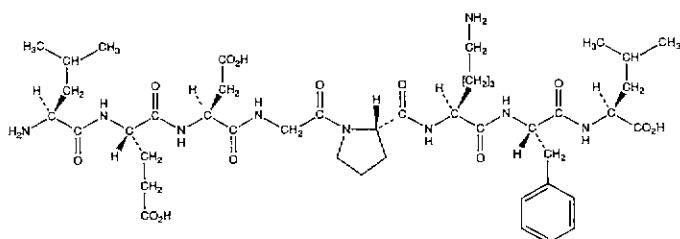
teloxantronum
teloxantrone

7,10-dihydroxy-2-[2-[(2-hydroxyethyl)amino]ethyl]-5-[[2-(methylamino)ethyl]amino]anthra[1,9-cd]pyrazol-6(2H)-one
 $C_{21}H_{25}N_5O_4$ 91441-48-4 antineoplastic



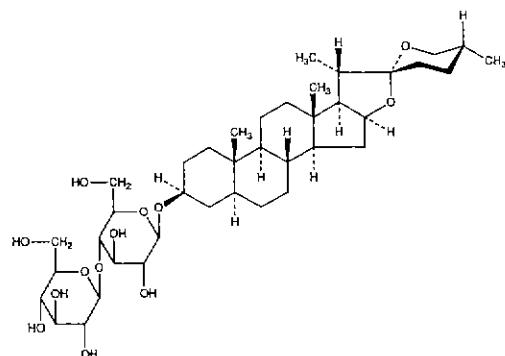
thymoctonanum
thymoctonan

N -[N -(N^2 -[1-[N -(N -L-leucyl-L- α -glutamyl)-L- α -aspartyl]glycyl]-L-prolyl]-L-lysyl]-L-phenylalanyl]-L-leucine
 $C_{43}H_{67}N_9O_{13}$ 107489-37-2 immunomodulator



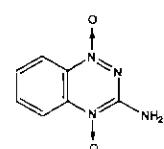
tiquesidum
tiqueside

(25R)-5 α -spirostan-3 β -yl 4-O- β -D-glucopyranosyl- β -D-glucopyranoside
 $C_{39}H_{64}O_{13}$ 99759-19-0 antihyperlipidaemic



tirapazaminum
tirapazamine

3-amino-1,2,4-benzotriazine 1,4-dioxide
 $C_7H_6N_4O_2$ 27314-97-2 antineoplastic



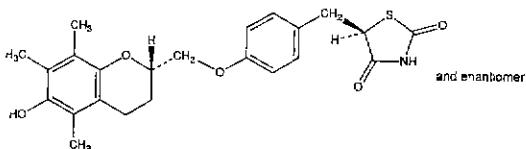
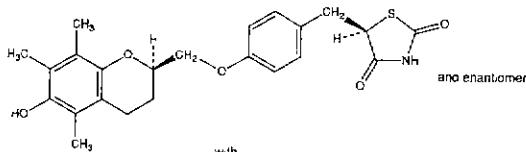
*Proposed International
Nonproprietary Name
(Latin, English)**

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

troglitazonum
troglitazone

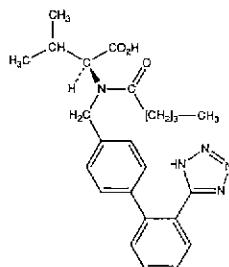
(\pm) -*all*-*rac*-5-[*p*-[(6-hydroxy-2,5,7,8-tetramethyl-2-chromanyl)methoxy]benzyl]-2,4-thiazolidinedione
 $C_{24}H_{27}NO_5S$ 97322-87-7 *hypoglycaemic*

1:1 mixture of



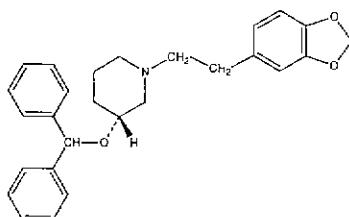
valsartanum
valsartan

N-[*p*-(*o*-1*H*-tetrazol-5-ylphenyl)benzyl]-*N*-valeryl-L-valine
 $C_{24}H_{29}N_5O_3$ 137862-53-4 *antihypertensive*



zamifenacinum
zamifenacin

(*R*)-3-(diphenylmethoxy)-1-[3,4-(methylenedioxy)phenetyl]piperidene
 $C_{27}H_{29}NO_3$ 127308-82-1 *muscarin receptor antagonist*



AMENDMENTS TO PREVIOUS LISTS

Chronicle of the World Health Organization Vol. 7, No. 10, 1953

Proposed International Nonproprietary Names (Prop. INN): List 1

| | | |
|--------|------------------|-----------------|
| p. 304 | <i>delete</i> | <i>insert</i> |
| | corticotrophinum | corticotropinum |
| | corticotrophin | corticotropin |

Chronicle of the World Health Organization Vol. 12, No. 3, 1958

Proposed International Nonproprietary Names (Prop. INN): List 6

| | | |
|--------|-------------------------------|------------------------------|
| p. 103 | <i>delete</i> | <i>insert</i> |
| | corticotrophinum zinci | corticotropinum zinci |
| | hydroxydum | hydroxydum |
| | corticotrophin zinc hydroxide | corticotropin zinc hydroxide |

Supplement to WHO Chronicle Vol. 37, No. 5, 1983

Proposed International Nonproprietary Names (Prop. INN): List 50

| | | |
|-------|-------------------------------|---|
| p. 14 | icospiramidum icospiramide | <i>replace the chemical name by the following.</i> 8-[<i>cis</i> -4-cyano-4-(<i>p</i> -fluorophenyl)cyclohexyl]-1-(<i>p</i> -fluorophenyl)-4-oxo-1,3,8-triazaspiro[4.5]decane-3-acetamide |
|-------|-------------------------------|---|

WHO Drug Information, Vol. 4, No. 2, 1990

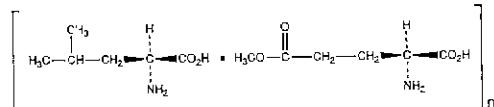
Proposed International Nonproprietary Names (Prop. INN): List 63

| | | |
|---|---------------|---------------|
| 4 | <i>delete</i> | <i>insert</i> |
| | docetaxolum | docetaxelum |
| | docetaxol | docetaxel |

WHO Drug Information, Vol. 4, No. 4, 1990

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

| | | |
|-------|------------------------------|---|
| p. 13 | leuciglumerum leuciglumer | <i>replace the molecular formula and the graphic formula by the following:</i> $(C_6H_{13}NO_2 \cdot C_6H_{11}NO_4)_n$ |
|-------|------------------------------|---|



Proposed International Nonproprietary Names (Prop. INN): List 66

- | | | |
|------|-----------------------------------|---|
| p. 4 | dexfosfoserinum dexfosfoserine | <i>replace the chemical name by the following:</i> (+)-L-serine dihydrogen phosphate (ester) |
| p. 6 | ilatreotidum ilatreotide | <i>include the following CAS registry number:</i> 119719-11-8 |

Proposed International Nonproprietary Names (Prop. INN): List 67

- | | | |
|-------|--------------------------|--|
| p. 9 | satumomabum satumomab | <i>include the following CAS registry number:</i> 144058-40-2 |
| p. 12 | limaprostum limaprost | <i>replace the chemical name by the following:</i> <i>(E)-7-[(1<i>R</i>,2<i>R</i>,3<i>R</i>)-3-hydroxy-2-[(<i>E</i>)-(3<i>S</i>,5<i>S</i>)-3-hydroxy-5-methyl-1-nonenyl]-5-oxocyclopentyl]-2-heptenoic acid</i> |

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* will from now on be reproduced in uneven numbers of proposed INN lists only