

International Nonproprietary Names for Pharmaceutical Substances

In accordance with paragraph 7 of the Procedure for the Selection of Recommended International Nonproprietary Names for Pharmaceutical Substances,¹ notice is hereby given that the following are selected as recommended international nonproprietary names.

The inclusion of a name in the lists of recommended international nonproprietary names does not imply any recommendation for the use of the substance in medicine or pharmacy.

Recommended International Nonproprietary Names (Rec. INN): List 27²

<i>Recommended International Nonproprietary Name (Latin, English)</i>	<i>Chemical Name or Description and Molecular Formulae</i>
acidum piridronicum piridronic acid	[2-(2-pyridyl)ethylidene]diphosphonic acid C ₇ H ₁₁ NO ₆ P ₂
acitretinum acitretin	(<i>all-E</i>)-9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-2,4,6,8-nonatetraenoic acid C ₂₁ H ₂₆ O ₃
adibendanum adibendan	5,7-dihydro-7,7-dimethyl-2-(4-pyridyl)pyrrolo[2,3- <i>f</i>]benzimidazol-6(3 <i>H</i>)-one C ₁₆ H ₁₄ N ₄ O
albendazolum oxidum albendazole oxide	methyl 5-(propylsulfinyl)-2-benzimidazolecarbamate C ₁₂ H ₁₅ N ₃ O ₃ S
aloxistatinum aloxistatin	ethyl (+)-(2 <i>S</i> ,3 <i>S</i>)-2,3-epoxy- <i>N</i> -[(<i>S</i>)-1-(isopentylcarbamoyl)-3-methylbutyl]succinamate C ₁₇ H ₃₀ N ₂ O ₅
amproxicamum amproxicam	(±)-4-(1-hydroxyethoxy)-2-methyl- <i>N</i> -2-pyridyl-2 <i>H</i> -1,2-benzothiazine-3-carboxamide ethyl carbonate (ester), 1,1-dioxide C ₂₀ H ₂₁ N ₃ O ₇ S

¹ *Off. Rec. Wild Hlth Org.*, 1955, **60**, 3 (Resolution EB15.R7); 1969, **1973**, 10 (Resolution EB43.R9).

² Other lists of recommended international nonproprietary names can be found in *Cumulative List No. 6, 1982*.

anaritidum anaritide	L-arginyl-L-seryl-L-seryl-L-cysteinyl-L-phenylalanylglycylglycyl-L-arginyl-L-methionyl-L-aspartyl-L-arginyl-L-isoleucylglycyl-L-alanyl-L-glutamyl-L-serylglycyl-L-leucylglycyl-L-cysteinyl-L-asparagyl-L-seryl-L-phenylalanyl-L-arginyl-L-tyrosine cyclic (4→20)-disulfide C ₁₁₂ H ₁₇₅ N ₃₉ O ₃₅ S ₃
arbekacinum arbekacin	O-3-amino-3-deoxy- α -D-glucopyranosyl-(1→4)-O-[2,6-diamino-2,3,4,6-tetra-deoxy- α -D-erythro-hexopyranosyl-(1→6)]-N'-(2S)-4-amino-2-hydroxybutyl]-2-deoxy-L-streptamine C ₂₂ H ₄₄ N ₆ O ₁₀
arnololum arnolol	(±)-3-amino-1-[p-(2-methoxyethyl)phenoxy]-3-methyl-2-butanol C ₁₄ H ₂₃ NO ₃
artemisininum artemisinin	(3R,5aS,6R,8aS,9R,12S,12aR)-octahydro-3,6,9-trimethyl-3,12-epoxy-12H-pyrano[4,3-j]-1,2-benzodioxepin-10(3H)-one C ₁₅ H ₂₂ O ₅
azumolenum azumolene	1-[[[5-(p-bromophenyl)-2-oxazolyl]methylene]amino]hydantoin C ₁₃ H ₉ BrN ₄ O ₃
baquiloprimum baquiloprim	5-[(2,4-diamino-5-pyrimidinyl)methyl]-8-(dimethylamino)-7-methylquinoline C ₁₇ H ₂₀ N ₆
bazinaprium bazinaprine	3-[(2-morpholinoethyl)amino]-6-phenyl-4-pyridazinecarbonitrile C ₁₇ H ₁₉ N ₅ O
bemarinonum bemarinone	5,6-dimethoxy-4-methyl-2(1H)-quinazolinone C ₁₁ H ₁₂ N ₂ O ₃
benexatum benexate	benzyl salicylate, <i>trans</i> -4-(guanidinomethyl)cyclohexanecarboxylate C ₂₃ H ₂₇ N ₃ O ₄
beperidii iodidum beperidium iodide	<i>cis</i> -1-ethyl-4-hydroxy-1-methylpiperidinium iodide (±)- α -(hexahydro-1H-azepin-1-yl)-1,2-benzisoxazole-3-acetate, mixture with <i>trans</i> -1-ethyl-4-hydroxy-1-methylpiperidinium iodide (±)- α -(hexahydro-1H-azepin-1-yl)-1,2-benzisoxazole-3-acetate (1:1) C ₂₃ H ₃₄ IN ₃ O ₃
bermoprofenum bermoprofen	(±)-10,11-dihydro- α ,8-dimethyl-11-oxodibenz[b,f]oxepin-2-acetic acid C ₁₈ H ₁₆ O ₄
bifemelanum bifemelane	N-methyl-4-[(α -phenyl- <i>o</i> -tolyl)oxy]butylamine C ₁₈ H ₂₃ NO
bifeprofenum bifeprofen	(±)-2'-chloro- α -methyl-4-biphenylacetic acid, ester with 1-glycoloyl-4-methylpiperazine C ₂₂ H ₂₅ ClN ₂ O ₃
bisfentidinum bisfentidine	N-isopropyl-N'-[p-(2-methylimidazol-4-yl)phenyl]formamidine C ₁₄ H ₁₈ N ₄
brefonalolum brefonalol	(±)-6-[2-[(1,1-dimethyl-3-phenylpropyl)amino]-1-hydroxyethyl]-3,4-dihydro-carbostyryl C ₂₂ H ₂₈ N ₂ O ₂

budotitanum budotitane	diethoxybis(1-phenyl-1,3-butanedionato)titanium C ₂₄ H ₂₈ O ₆ Ti
cefempidonum cefempidone	1-[[[(6 <i>R</i> ,7 <i>R</i>)-7-[2-(2-amino-5-thiazolyl)glyoxylamido]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]pyridinium hydroxide, inner salt, 7 ² -(<i>E</i>)-[<i>O</i> -(2-oxo-3-pyrrolidinyl)oxime] C ₂₂ H ₂₁ N ₇ O ₆ S ₂
cefepimum cefepime	1-[[[(6 <i>R</i> ,7 <i>R</i>)-7-[2-(2-amino-4-thiazolyl)glyoxylamido]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-1-methylpyrrolidinium hydroxide, inner salt, 7 ² -(<i>Z</i>)-(O-methyloxime) C ₁₉ H ₂₄ N ₅ O ₅ S ₂
cefmepeidii chloridum cefmepeidium chloride	4-[[[(6 <i>R</i> ,7 <i>R</i>)-7-[2-(2-amino-4-thiazolyl)glyoxylamido]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]thio]-1-methylpyridinium chloride 7 ² -(<i>Z</i>)-[<i>O</i> -(1-carboxy-1-methylethyl)oxime] S-oxide C ₂₃ H ₂₅ ClN ₆ O ₅ S ₃
cefepodoximum cefepodoxime	(+)-(6 <i>R</i> ,7 <i>R</i>)-7-[2-(2-amino-4-thiazolyl)glyoxylamido]-3-(methoxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7 ² -(<i>Z</i>)-(O-methyloxime) C ₁₅ H ₁₇ N ₅ O ₆ S ₂
clazurilum clazuril	(±)-[2-chloro-4-(4,5-dihydro-3,5-dioxo-as-triazin-2(3 <i>H</i>)-yl)phenyl]-(<i>p</i> -chlorophenyl)acetonitrile C ₁₇ H ₁₀ Cl ₂ N ₄ O ₂
clopidogrelum clopidogrel	methyl (+)-(S)- <i>a</i> -(<i>o</i> -chlorophenyl)-6,7-dihydrothieno[3,2- <i>c</i>]pyridine-5(4 <i>H</i>)-acetate C ₁₆ H ₁₆ ClNO ₂ S
daltrobanum daltroban	[<i>p</i> -[2-(<i>p</i> -chlorobenzenesulfonamido)ethyl]phenyl]acetic acid C ₁₆ H ₁₆ ClNO ₄ S
datelliptii chloridum datelliptium chloride	2-[2-(diethylamino)ethyl]-9-hydroxy-5,11-dimethyl-6 <i>H</i> -pyrido[4,3- <i>b</i>]carbazolium chloride C ₂₃ H ₂₈ ClN ₃ O
dembrexinum dembrexine	<i>trans</i> -4-[(3,5-dibromosalicyl)amino]cyclohexanol C ₁₃ H ₁₇ Br ₂ NO ₂
detirelixum detirelix	<i>N</i> -acetyl-3-(2-naphthyl)- <i>D</i> -alanyl- <i>p</i> -chloro- <i>D</i> -phenylalanyl- <i>D</i> -tryptophyl-L-seryl-L-tyrosyl- <i>N</i> ⁶ -(<i>N,N'</i> -diethylamidino)- <i>D</i> -lysyl-L-leucyl-L-arginyl-L-prolyl- <i>D</i> -alaninamide C ₇₈ H ₁₀₅ ClN ₁₆ O ₁₃
dexamethasoni acefuras dexamethasone acefurate	9-fluoro-11β,17,21-trihydroxy-16α-methylpregna-1,4-diene-3,20-dione 21-acetate 17-(2-fuorate) C ₂₉ H ₃₃ FO ₈
diclazurilum diclazuril	(±)-(p-chlorophenyl)[2,6-dichloro-4-(4,5-dihydro-3,5-dioxo-as-triazin-2(3 <i>H</i>)-yl)phenyl]acetonitrile C ₁₇ H ₉ Cl ₃ N ₄ O ₂
difloxacinum difloxacin	6-fluoro-1-(<i>p</i> -fluorophenyl)-1,4-dihydro-7-(4-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid C ₂₁ H ₁₉ F ₂ N ₃ O ₃
disuprazolum disuprazole	2-[[[4-(ethylthio)-3-methyl-2-pyridyl]methyl]sulfinyl]benzimidazole C ₁₆ H ₁₇ N ₃ OS ₂
ditiocarbium natricum ditiocarb sodium	sodium diethyldithiocarbamate C ₅ H ₁₀ NNaS ₂

dobupridum dobupride	4-amino-2-butoxy-5-chloro- <i>N</i> -[1-(1,3-dioxolan-2-ylmethyl)-4-piperidyl]benzamide C ₂₀ H ₃₀ ClN ₃ O ₄
donetidinum donetidine	5-[(1,2-dihydro-2-oxo-4-pyridyl)methyl]-2-[[2-[[5-[(dimethylamino)methyl]furfuryl]thio]ethyl]amino]-4(1 <i>H</i>)-pyrimidinone C ₂₀ H ₂₅ N ₅ O ₃ S
dramedilolum dramedilol	acetone (±)-[6-[3-[(3,4-dimethoxyphenethyl)amino]-2-hydroxypropoxy]-3-pyridazinyl]hydrazone C ₂₀ H ₂₉ N ₅ O ₄
droxidopa droxidopa	(-)- <i>threo</i> -3-(3,4-dihydroxyphenyl)- <i>L</i> -serine C ₉ H ₁₁ NO ₅
dulozafonum dulozafone	2-[bis(2-hydroxyethyl)amino]-4'-chloro-2'-(<i>o</i> -chlorobenzoyl)- <i>N</i> -methylacetanilide C ₂₀ H ₂₂ Cl ₂ N ₂ O ₄
ebiratidum ebiratide	<i>L</i> -methionyl- <i>L</i> -glutamyl- <i>L</i> -histidyl- <i>L</i> -phenylalanyl- <i>D</i> -lysyl- <i>N</i> -(8-amino-octyl)- <i>L</i> -phenylalaninamide <i>S,S</i> -dioxide C ₄₆ H ₇₃ N ₁₁ O ₁₀ S
ebrotidinum ebrotidine	<i>p</i> -bromo- <i>N</i> -[[[2-[[[2-(diaminomethylene)amino]-4-thiazolyl]methyl]thio]ethyl]amino]methylene]benzenesulfonamide C ₁₄ H ₁₇ BrN ₆ O ₂ S ₃
ecastololum ecastolol	(±)-4'-[3-[(3,4-dimethoxyphenethyl)amino]-2-hydroxypropoxy]-3'-(5-isoxazolyl)butyranilide C ₂₆ H ₃₃ N ₃ O ₆
edifolonum edifolone	10-(2-aminoethyl)estr-5-ene-3,17-dione, cyclic bis(ethylene acetal) C ₂₄ H ₃₇ NO ₄
eltoprazinum eltoprazine	1-(1,4-benzodioxan-5-yl)piperazine C ₁₂ H ₁₆ N ₂ O ₂
elziverinum elziverine	6,7-dimethoxy-4-[[4-(<i>o</i> -methoxyphenyl)-1-piperazinyl]methyl]-1-veratrylisoquinoline C ₃₂ H ₃₇ N ₃ O ₅
enrofloxacinum enrofloxacin	1-cyclopropyl-7-(4-ethyl-1-piperazinyl)-6-fluoro-1,4-dihydro-4-oxo-3-quinoline-carboxylic acid C ₁₉ H ₂₂ FN ₃ O ₃
eperisonum eperisone	4'-ethyl-2-methyl-3-piperidinopropiophenone C ₁₇ H ₂₅ NO
epinastinum epinastine	3-amino-9,13b-dihydro-1 <i>H</i> -dibenz[<i>c,f</i>]imidazo[1,5- <i>a</i>]azepine C ₁₆ H ₁₅ N ₃
epsiprantelum epsiprantel	(±)-2-(cyclohexylcarbonyl)-2,3,6,7,8,12b-hexahydropyrazino[2,1- <i>a</i>][2]benzazepin-4(1 <i>H</i>)-one C ₂₀ H ₂₆ N ₂ O ₂
eptaloprostum eptaloprost	4-[2-[(2 <i>E</i> ,3 <i>aS</i> ,4 <i>S</i> ,5 <i>R</i> ,6 <i>aS</i>)-hexahydro-5-hydroxy-4-[(3 <i>S</i> ,4 <i>S</i>)-3-hydroxy-4-methyl-1,6-nonadiynyl]-2(1 <i>H</i>)-pentalenyliidene]ethoxy]butyric acid C ₂₄ H ₃₄ O ₅

erdosteinum erdosteine	(±)-[[[(tetrahydro-2-oxo-3-thienyl)carbamoyl]methyl]thio]acetic acid C ₈ H ₁₁ NO ₄ S ₂
erythromycini stinopras erythromycin stinoprate	erythromycin 2'-propionate, compound with <i>N</i> -acetyl-L-cysteine (1:1) C ₄₀ H ₇₁ NO ₁₄ · C ₅ H ₉ NO ₃ S or C ₄₅ H ₈₀ N ₂ O ₁₇ S
esflurbiprofenum esflurbiprofen	(<i>S</i>)-2-fluoro- <i>α</i> -methyl-4-biphenylacetic acid C ₁₅ H ₁₃ FO ₂
etanidazolium etanidazole	<i>N</i> -(2-hydroxyethyl)-2-nitroimidazole-1-acetamide C ₇ H ₁₀ N ₄ O ₄
etofenproxum etofenprox	<i>α</i> -[(<i>p</i> -ethoxy- <i>β</i> , <i>β</i> -dimethylphenethyl)oxy]- <i>m</i> -phenoxytoluene C ₂₅ H ₂₈ O ₃
exametazimum exametazime	(±)-(3 <i>RS</i> , 3' <i>RS</i>)-3,3'-[(2,2-dimethyltrimethylene)diimino]di-2-butanone dioxime C ₁₃ H ₂₈ N ₄ O ₂
fazarabinum fazarabine	4-amino-1- <i>β</i> -D-arabinofuranosyl-s-triazin-2(1 <i>H</i>)-one C ₈ H ₁₂ N ₄ O ₅
floxacinum floxacin	6,8-difluoro-1-(2-fluoroethyl)-1,4-dihydro-7-(4-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid C ₁₇ H ₁₈ F ₃ N ₃ O ₃
flosequinanum flosequinan	7-fluoro-1-methyl-3-(methylsulfinyl)-4(1 <i>H</i>)-quinolone C ₁₁ H ₁₀ FNO ₂ S
fosinoprilum fosinopril	(4 <i>S</i>)-4-cyclohexyl-1-[[[(<i>RS</i>)-1-hydroxy-2-methylpropoxy](4-phenylbutyl)-phosphinyl]acetyl]-L-proline propionate (ester) C ₃₀ H ₄₆ NO ₇ P
fotemustinum fotemustine	(±)-diethyl [1-[3-(2-chloroethyl)-3-nitrosoureido]ethyl]phosphonate C ₉ H ₁₉ ClN ₃ O ₅ P
ganciclovirum ganciclovir	9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]guanine C ₉ H ₁₃ N ₅ O ₄
gosereelinum gosereelin	1-(5-oxo-L-prolyl-L-histidyl-L-tryptophyl-L-seryl-L-tyrosyl- <i>O</i> - <i>tert</i> -butyl-D-seryl-L-leucyl-L-arginyl-L-prolyl)semicarbazide C ₅₉ H ₈₄ N ₁₈ O ₁₄
guaisteinum guaisteine	thioacetic acid, <i>S</i> -ester with (±)-3-(mercaptoacetyl)-2-[(<i>o</i> -methoxyphenoxy)methyl]thiazolidine C ₁₅ H ₁₉ NO ₄ S ₂
ibacitabinum ibacitabine	2'-deoxy-5-iodocytidine C ₉ H ₁₂ IN ₃ O ₄
ilmofosinum ilmofosine	choline hydroxide, (±)-3-(hexadecylthio)-2-(methoxymethyl)propyl hydrogen phosphate, inner salt C ₂₆ H ₅₆ NO ₅ PS

indolidanum indolidan	3,3-dimethyl-5-(1,4,5,6-tetrahydro-6-oxo-3-pyridazinyl)-2-indolinone C ₁₄ H ₁₅ N ₃ O ₂
iobenguanum (¹³¹ I) iobenguane (¹³¹ I)	(<i>m</i> -iodo- ¹³¹ I-benzyl)guanidine C ₈ H ₁₀ ¹³¹ I N ₃
iprotiazemum iprotiazem	(+)-(R)-2-isopropyl-4-methyl-2-[o-[4-[4-(3,4,5-trimethoxyphenethyl)-1-piperazinyl]butoxy]phenyl]-2 <i>H</i> -1,4-benzothiazin-3(4 <i>H</i>)-one C ₃₇ H ₄₉ N ₃ O ₅ S
itazigrelum itazigrel	4,5-bis(<i>p</i> -methoxyphenyl)-2-(trifluoromethyl)thiazole C ₁₈ H ₁₄ F ₃ NO ₂ S
lacidipinum lacidipine	4-[<i>o</i> -[(<i>E</i>)-2-carboxyviny]phenyl]-1,4-dihydro-2,6-dimethyl-3,5-pyridine-dicarboxylic acid, 4- <i>tert</i> -butyl diethyl ester C ₂₆ H ₃₃ NO ₆
levofenfluraminum levofenfluramine	(-)-(R)- <i>N</i> -ethyl- <i>α</i> -methyl- <i>m</i> -(trifluoromethyl)phenethylamine C ₁₂ H ₁₆ F ₃ N
levoprotilinum levoprotiline	(-)-(R)- <i>α</i> -[(methylamino)methyl]-9,10-ethanoanthracene-9(10 <i>H</i>)-ethanol C ₂₀ H ₂₃ NO
limaprostum limaprost	(<i>E</i>)-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, compound with <i>α</i> -cyclodextrin C ₂₂ H ₃₆ O ₅
liroldinum liroldine	2,2'-[(3,3'-difluoro-4,4'-biphenylene)dinitrilo]dipyrrolidine C ₂₀ H ₂₀ F ₂ N ₄
lixazinonum lixazinone	<i>N</i> -cyclohexyl- <i>N</i> -methyl-4-[(1,2,3,5-tetrahydro-2-oxoimidazo[2,1- <i>b</i>]quinazolin-7-yl)oxy]butyramide C ₂₁ H ₂₈ N ₄ O ₃
lodaxaprinum lodaxaprine	1-[6-(<i>o</i> -chlorophenyl)-3-pyridazinyl]-4-piperidinol C ₁₅ H ₁₆ ClN ₃ O
loperamidum oxidum loperamide oxide	<i>trans</i> -4-(<i>p</i> -chlorophenyl)-4-hydroxy- <i>N,N</i> -dimethyl- <i>α,α</i> -diphenyl-1-piperidinebutyramide 1-oxide C ₂₉ H ₃₃ ClN ₂ O ₃
lorcinadolum lorcinadol	(<i>E</i>)-3-chloro-6-(4-cinnamyl-1-piperazinyl)pyridazine C ₁₇ H ₁₉ ClN ₄
lorglumidum lorglumide	(±)-4-(3,4-dichlorobenzamido)- <i>N,N</i> -dipentylglutaramic acid C ₂₂ H ₃₂ Cl ₂ N ₂ O ₄
lovastatinum lovastatin	(<i>S</i>)-2-methylbutyric acid, 8-ester with (4 <i>R</i> ,6 <i>R</i>)-6-[2-[(1 <i>S</i> ,2 <i>S</i> ,6 <i>R</i> ,8 <i>S</i> ,8 <i>aR</i>)-1,2,6,7,8,8 <i>a</i> -hexahydro-8-hydroxy-2,6-dimethyl-1-naphthyl]ethyl]tetrahydro-4-hydroxy-2 <i>H</i> -pyran-2-one C ₂₄ H ₃₆ O ₅
loxiglumidum loxiglumide	(±)-4-(3,4-dichlorobenzamido)- <i>N</i> -(3-methoxypropyl)- <i>N</i> -pentylglutaramic acid C ₂₁ H ₃₀ Cl ₂ N ₂ O ₅
mafoprazinum mafoprazine	4'-[3-[4-(<i>o</i> -fluorophenyl)-1-piperazinyl]propoxy]- <i>m</i> -acetanisidide C ₂₂ H ₂₈ FN ₃ O ₃

oxaliplatinum oxaliplatin	[(1 <i>R</i> ,2 <i>R</i>)-1,2-cyclohexanediamine- <i>N,N'</i>][oxalato(2-)- <i>O,O'</i>]platinum C ₈ H ₁₄ N ₂ O ₄ Pt
pantenicatum pantenate	[<i>R</i> -(<i>R</i> [*] , <i>R</i> [*])]-3-pyridylmethyl hydrogen succinate, tetraester with <i>N,N'</i> -[dithiobis(ethyleneiminocarbonylethylene)]bis[2,4-dihydroxy-3,3-dimethylbutyramide] C ₆₂ H ₇₈ N ₈ O ₂₀ S ₂
pazelliptinum pazelliptine	10-[[3-(diethylamino)propyl]amino]-6-methyl-5 <i>H</i> -pyrido[3',4':4,5]pyrrolo[2,3- <i>g</i>]isoquinoline C ₂₂ H ₂₇ N ₅
pelanserinum pelanserin	3-[3-(4-phenyl-1-piperazinyl)propyl]-2,4(1 <i>H</i> ,3 <i>H</i>)-quinazolin-2(1 <i>H</i>)-one C ₂₁ H ₂₄ N ₄ O ₂
perindoprilatum perindoprilat	(2 <i>S</i> ,3 <i>aS</i> ,7 <i>aS</i>)-1-[(<i>S</i>)- <i>N</i> -[(<i>S</i>)-1-carboxybutyl]alanyl]hexahydro-2-indoline-carboxylic acid C ₁₇ H ₂₆ N ₂ O ₅
pimomidazolium pimomidazole	(±)- <i>a</i> -[(2-nitroimidazol-1-yl)methyl]-1-piperidineethanol C ₁₁ H ₁₈ N ₄ O ₃
pirtenidinum pirtenidine	1,4-dihydro-1-octyl-4-(octylimino)pyridine C ₂₁ H ₃₈ N ₂
pravastatinum pravastatin	(+)-(β <i>R</i> ,δ <i>R</i> ,1 <i>S</i> ,2 <i>S</i> ,6 <i>S</i> ,8 <i>S</i> ,8 <i>aR</i>)-1,2,6,7,8,8 <i>a</i> -hexahydro-β,δ,6,8-tetrahydroxy-2-methyl-1-naphthaleneheptanoic acid, 8-[(2 <i>S</i>)-2-methylbutyrate] C ₂₃ H ₃₆ O ₇
prinomidum prinomide	<i>a</i> -cyano-1-methyl-β-oxopyrrole-2-propionanilide C ₁₅ H ₁₃ N ₃ O ₂
quinaprilum quinapril	(<i>S</i>)-2-[(<i>S</i>)- <i>N</i> -[(<i>S</i>)-1-carboxy-3-phenylpropyl]alanyl]-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid, 1-ethyl ester C ₂₅ H ₃₀ N ₂ O ₅
ramoplaninum ramoplanin	factor A ₂ of the antibiotic complex A/16686 produced by <i>Actinoplanes</i> sp. ATCC 33076 empirical molecular formula C ₁₁₉ H ₁₅₄ ClN ₂₁ O ₄₀
ranolazinum ranolazine	(±)-4-[2-hydroxy-3-(<i>o</i> -methoxyphenoxy)propyl]-1-piperazineaceto-2',6'-xylidide C ₂₄ H ₃₃ N ₃ O ₄
retelliptinum retelliptine	1-[[3-(diethylamino)propyl]amino]-9-methoxy-5,11-dimethyl-6 <i>H</i> -pyrido[4,3- <i>b</i>]carbazole C ₂₅ H ₃₂ N ₄ O
rilmenidinum rilmenidine	2-[(dicyclopropylmethyl)amino]-2-oxazoline C ₁₀ H ₁₆ N ₂ O
rilopiroxum rilopirox	6-[[<i>p</i> -(<i>p</i> -chlorophenoxy)phenoxy]methyl]-1-hydroxy-4-methyl-2(1 <i>H</i>)-pyridone C ₁₈ H ₁₆ ClNO ₄
rimoproginum rimoprogin	5-[(3-iodo-2-propynyl)oxy]-2-(methylthio)pyrimidine C ₈ H ₇ IN ₂ OS
risperidonum risperidone	3-[2-[4-(6-fluoro-1,2-benzisoxazol-3-yl)piperidino]ethyl]-6,7,8,9-tetrahydro-2-methyl-4 <i>H</i> -pyrido[1,2- <i>a</i>]pyrimidin-4-one C ₂₃ H ₂₇ FN ₄ O ₂

ritiometanum ritiometan	(methylidynetrithio)triacetic acid C ₇ H ₁₀ O ₆ S ₃
rocastinum rocastine	(±)-2-[2-(dimethylamino)ethyl]-3,4-dihydro-4-methylpyrido[3,2-f]-1,4-oxazepine-5(2 <i>H</i>)-thione C ₁₃ H ₁₉ N ₃ OS
ronactololum ronactolol	(±)-4'-[2-hydroxy-3-[(isopropylamino)propoxy]- <i>p</i> -anisilide C ₂₀ H ₂₆ N ₂ O ₄
rufloxacinum rufloxacin	9-fluoro-2,3-dihydro-10-(4-methyl-1-piperazinyl)-7-oxo-7 <i>H</i> -pyrido[1,2,3- <i>de</i>]-1,4-benzothiazine-6-carboxylic acid C ₁₇ H ₁₈ FN ₃ O ₃ S
sabeluzolum sabeluzole	(±)-4-(2-benzothiazolylmethylamino)- <i>α</i> -[(<i>p</i> -fluorophenoxy)methyl]-1-piperidineethanol C ₂₂ H ₂₆ FN ₃ O ₂ S
saterinonum saterinone	(±)-1,2-dihydro-5-[<i>p</i> -2-hydroxy-3-[4-(<i>o</i> -methoxyphenyl)-1-piperazinyl]-propoxy]phenyl]-6-methyl-2-oxonicotinonitrile C ₂₇ H ₃₀ N ₄ O ₄
savoxepinum savoxepin	3-(cyclopentylmethyl)-2,3,4,5-tetrahydro-1 <i>H</i> -dibenz[2,3:6,7]oxepino[4,5- <i>d</i>]azepine-7-carbonitrile C ₂₆ H ₂₆ N ₂ O
sedecamycinum sedecamycin	(-)- <i>N</i> -[(1 <i>S</i> ,2 <i>R</i> ,3 <i>E</i> ,5 <i>E</i> ,7 <i>S</i> ,9 <i>E</i> ,11 <i>E</i> ,13 <i>S</i> ,15 <i>R</i> ,19 <i>R</i>)-7,13-dihydroxy-1,4,10,19-tetramethyl-17,18-dioxo-16-oxabicyclo[13.2.2]nonadeca-3,5,9,11-tetraen-2-yl]pyruvamide 13-acetate C ₂₇ H ₃₅ NO ₈
seganserinum seganserin	3-[2-[4-[bis(<i>p</i> -fluorophenyl)methylene]piperidino]ethyl]-2-methyl-4 <i>H</i> -pyrido[1,2- <i>a</i>]pyrimidin-4-one C ₂₉ H ₂₇ F ₂ N ₃ O
seglitidum seglitide	cyclo(<i>N</i> -methyl-L-alanyl-L-tyrosyl- α -tryptophyl-L-lysyl-L-valyl-L-phenylalanyl) C ₄₄ H ₅₆ N ₈ O ₇
sequifenadinum sequifenadine	α,α -di- <i>o</i> -tolyl-3-quinuclidinemethanol C ₂₂ H ₂₇ NO
sermorelinum sermorelin	growth hormone-releasing factor (human)-(1-29)-peptide amide C ₁₄₉ H ₂₄₆ N ₄₄ O ₄₂ S
sertaconazolum sertaconazole	(±)-1-[2,4-dichloro- β -[(7-chlorobenzo[<i>b</i>]thien-3-yl)methoxy]phenethyl]-imidazole C ₂₀ H ₁₅ Cl ₃ N ₂ O ₅
setiptilinum setiptiline	2,3,4,9-tetrahydro-2-methyl-1 <i>H</i> -dibenzo[3,4:6,7]cyclohepta[1,2- <i>c</i>]pyridine C ₁₉ H ₁₉ N
sevitropii mesilas sevitropium mesilate	(±)-3 <i>a</i> -[(6,11-dihydrodibenzo[<i>b,e</i>]thiepin-11-yl)oxy]-6 β ,7 β -epoxy-8-methyl-1 <i>a</i> -,5 <i>a</i> +-tropanium methanesulfonate C ₂₄ H ₂₉ NO ₅ S ₂
siagosidum siagoside	<i>N</i> -(11 ³ - <i>N</i> -acetylneuraminosylgangliotetrasyl)ceramide, intramolecular ester C ₇₃ H ₁₂₉ N ₃ O ₃₀

sibutraminum sibutramine	(±)-1-(<i>p</i> -chlorophenyl)- <i>α</i> -isobutyl- <i>N,N</i> -dimethylcyclobutanemethylamine C ₁₇ H ₂₆ ClN
sizofiranum sizofiran	Schizophyllan or Poly[3→(O-β-D-glucopyranosyl-(1→3)-O-[β-D-glucopyranosyl-(1→6)]-O-β-D-glucopyranosyl-(1→3)-O-β-D-glucopyranosyl)→1] (C ₂₄ H ₄₀ O ₂₀) _n
somatorelinum somatorelin	growth hormone-releasing factor (human) C ₂₁₅ H ₃₅₈ N ₇₂ O ₆₆ S
somatropinum somatropin	growth hormone (human) or somatotropin (human) C ₉₉₀ H ₁₅₂₈ N ₂₆₂ O ₃₀₀ S ₇
spiraprilum spirapril	(8 <i>S</i>)-7-[(<i>S</i>)- <i>N</i> -[(<i>S</i>)-1-carboxy-3-phenylpropyl]alanyl]-1,4-dithia-7-azaspiro[4,4]nonane-8-carboxylic acid, 1-ethyl ester C ₂₂ H ₃₀ N ₂ O ₅ S ₂
talipexolum talipexole	6-allyl-2-amino-5,6,7,8-tetrahydro-4 <i>H</i> -thiazolo[4,5- <i>d</i>]azepine C ₁₀ H ₁₅ N ₃ S
tameridonum tameridone	7-[2-(4-indol-3-ylpiperidino)ethyl]theophylline C ₂₂ H ₂₆ N ₆ O ₂
temozolomidum temozolomide	3,4-dihydro-3-methyl-4-oxoimidazo[5,1- <i>d</i>]-as-tetrazine-8-carboxamide C ₆ H ₈ N ₆ O ₂
teniloxazinum teniloxazine	(±)-2-[[(<i>α</i> -2-thienyl- <i>o</i> -tolyl)oxy]methyl]morpholine C ₁₆ H ₁₉ NO ₂ S
tetronasinum tetronasin	4-hydroxy-3-[(2 <i>S</i>)-2-[(1 <i>S</i> ,2 <i>S</i> ,6 <i>R</i>)-2-[(1 <i>E</i>)-3-hydroxy-2-[(2 <i>R</i> ,3 <i>R</i> ,6 <i>S</i>)-tetrahydro-3-methyl-6-[(1 <i>E</i> ,3 <i>S</i>)-3-[(2 <i>R</i> ,3 <i>S</i> ,5 <i>R</i>)-tetrahydro-5-[(1 <i>S</i>)-1-methoxyethyl]-3-methyl-2-furyl]-1-butenyl]-2 <i>H</i> -pyran-2-yl]propenyl]-6-methylcyclohexyl]-propionyl]-2(5 <i>H</i>)-furanone C ₃₅ H ₅₄ O ₈
tienoxololum tienoxolol	(±)-ethyl 2-[3-(<i>tert</i> -butylamino)-2-hydroxypropoxy]-5-(2-thiophenecarboxamido)benzoate C ₂₁ H ₂₈ N ₂ O ₅ S
tifuracum tifurac	7-[<i>p</i> -(methylthio)benzoyl]-5-benzofuranacetic acid C ₁₈ H ₁₄ O ₄ S
tigemonamum tigemonam	[[[(<i>Z</i>)-(2-amino-4-thiazolyl)[[(3 <i>S</i>)-1-hydroxy-2,2-dimethyl-4-oxo-3-azetidiny]carbonyl]methylene]amino]oxy]acetic acid hydrogen sulfate (ester) C ₁₂ H ₁₅ N ₅ O ₉ S ₂
tilisololum tilisolol	(±)-4-[3-(<i>tert</i> -butylamino)-2-hydroxypropoxy]-2-methylisocarbostyryl C ₁₇ H ₂₄ N ₂ O ₃
tilmicosinum tilmicosin	4 <i>A</i> - <i>O</i> -de(2,6-dideoxy-3- <i>C</i> -methyl- <i>α</i> - <i>L</i> -ribo-hexopyranosyl)-20-deoxo-20-(<i>cis</i> -3,5-dimethylpiperidino)tylosin C ₄₆ H ₈₀ N ₂ O ₁₃
tiospironum tiospirone	<i>N</i> -[4-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]butyl]-1,1-cyclopentanediacet-imide C ₂₄ H ₃₂ N ₄ O ₂ S
tiprotimodum tiprotimod	2-[(3-carboxypropyl)thio]-4-methyl-5-thiazoleacetic acid C ₁₀ H ₁₃ NO ₄ S ₂

tomoglumidum tomoglumide	(±)-4-(3,4-dimethylbenzamido)- <i>N,N</i> -dipentylglutaramic acid C ₂₄ H ₃₈ N ₂ O ₄
topiramatum topiramate	2,3:4,5-di- <i>O</i> -isopropylidene-β- <i>D</i> -fructopyranose sulfamate C ₁₂ H ₂₁ NO ₆ S
torbafyllinum torbafylline	7-(ethoxymethyl)-1-(5-hydroxy-5-methylhexyl)-3-methylxanthine C ₁₆ H ₂₆ N ₄ O ₄
trigevololum trigevolol	(±)-5-[2-[[2-hydroxy-3-[<i>p</i> -(2-methoxyethoxy)phenoxy]propyl]amino]ethoxy]-salicylamide C ₂₁ H ₂₈ N ₂ O ₇
triptorelinum triptorelin	5-oxo- <i>L</i> -prolyl- <i>L</i> -histidyl- <i>L</i> -tryptophyl- <i>L</i> -seryl- <i>L</i> -tyrosyl- <i>D</i> -tryptophyl- <i>L</i> -leucyl- <i>L</i> -arginyl- <i>L</i> -prolylglycinamide C ₆₄ H ₈₂ N ₁₈ O ₁₃
ubemimexum ubemimex	(-)- <i>N</i> -[(2 <i>S</i> ,3 <i>R</i>)-3-amino-2-hydroxy-4-phenylbutyryl]- <i>L</i> -leucine C ₁₆ H ₂₄ N ₂ O ₄
ulinastatinum ulinastatin	a glycoprotein of molecular weight about 67,000 isolated from human urine, inhibiting mainly proteolytic enzymes
urofollitropinum urofollitropin	a preparation of menopausal gonadotrophin extracted from human urine, but possessing negligible luteinising hormone (LH) activity
vadocainum vadocaine	(±)-6'-methoxy-2-methyl-1-piperidinepropiono-2',4'-xylylide C ₁₈ H ₂₈ N ₂ O ₂
vesnarinonum vesnarinone	1-(1,2,3,4-tetrahydro-2-oxo-6-quinoly)-4-veratroylpiperazine C ₂₂ H ₂₅ N ₃ O ₄
vinorelbinum vinorelbine	3',4'-didehydro-4'-deoxy-8'-norvincaleukoblastine C ₄₅ H ₅₄ N ₄ O ₈
zidovudinum zidovudine	3'-azido-3'-deoxythymidine C ₁₀ H ₁₃ N ₅ O ₄

**AMENDMENTS
TO PREVIOUS LISTS**

WHO Chronicle, Supplement to Vol. 35, N. 5, 1984

International Nonproprietary Names (Rec. INN): List 21

- | | | |
|------|------------------------------|---|
| p. 4 | defibrotidum
defibrotide | <i>the description should be replaced by:</i>
Polydeoxyribonucleotides from bovine lung or other mammalian organs with
molecular weight between 15,000 and 30,000 |
| p. 8 | omoconazolium
omoconazole | <i>in the chemical name replace "(E)" by "(Z)"</i> |

WHO Chronicle, Supplement to Vol. 38, N. 6, 1984

International Nonproprietary Names (Rec. INN): List 24

- | | | |
|------|----------------------------|--|
| p. 1 | ademetonium
ademetonine | <i>the amendment in List 24 rec. is superseded and the chemical name should
be replaced by:</i>
(±)-5'-[(R*)-[(R*)-3-amino-3-carboxypropyl]methylsulfonio]-5'-deoxy-
adenosine hydroxide, inner salt |
|------|----------------------------|--|