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, 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.

Rec. INN): List 30²

Recommended International Nonproprietary Name (Latin, English)

Chemical Name or Description and Molecular Formulae

ablukastum ablukast (\pm) -6-acetyl-7-[[5-(4-acetyl-3-hydroxy-2-propylphenoxy)pentyl]oxy]-

2-chromancarboxylic acid

C28H34O8

acamprosatum acamprosate

3-acetamido-1-propanesulfonic acid

C₈H₁₁NO₄S

acidum alendronicum alendronic acid

(4-amino-1-hydroxybutylidene)diphosphonic acid

C₄H₁₃NO₇P₂

acidum neridronicum neridronic acid

(6-amino-1-hydroxyhexylidene)diphosphonic acid

CeH₁₇NO₇P₂

şidum risedronicum aedronic acid

[1-hydroxy-2-(3-pyridyl)ethylidene]diphosphonic acid

C,H,,NO,P,

actaritum actarit (p-acetamidophenyl)acetic acid

C₁₀H₁₁NO₃

aloracetamum aloracetam N-[2-(3-formyl-2,5-dimethylpyrrol-1-yl)ethyl]acetamide

C11H14N2O2

Off. Rec. Wid Hith 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. 7, 1988.

alprafenonum alprafenone	(\pm) -3-[3-[2-hydroxy-3-($tert$ -pentylamino)propoxy]-4-methoxyphenyl]-4'-methylpropiophenone $C_{25}H_{38}NO_4$
altoqualinum altoqualine ,	(3 <i>S</i>)-7-amino-4,5,6-triethoxy-3-[(1 <i>H</i>)-1,2,3,4-tetrahydro-6,7,8-trimethoxy-2-methyl-1-isoquinolyl]phthalide $C_{27}H_{3e}N_2O_6$
amocarzinum amocarzine	4-methyl-4'-(p -nitroanilino)thio-1-piperazinecarboxanilide $C_{10}H_{21}N_5O_2S$
artemetherum artemether	(3 <i>R</i> ,5a <i>S</i> ,6 <i>R</i> ,8a <i>S</i> ,9 <i>R</i> ,10 <i>S</i> ,12 <i>R</i> ,12a <i>R</i>)-decahydro-10-methoxy-3,6,9-trimethyl- 3,12-epoxy-12 <i>H</i> -pyrano[4,3-/]-1,2-benzodioxepin C₁ ₆ H₂ ₆ O ₅
artesunatum artesunate	$(3R,5aS,6R,8aS,9R,10S,12R,12aR)$ -decahydro-3,6,9-trimethyl-3,12-epoxy-12 H pyrano[4,3- J]-1,2-benzodioxepin-10-ol, hydrogen succinate $C_{19}H_{28}O_8$
ataprostum ataprost	(+)-(2E,3aS,4R,5R,6aS)-4-[(1E,3S)-3-cyclopentyl-3-hydroxypropenyl]-3,3a,4,5,6,6a-hexahydro-5-hydroxy- $\Delta^{2(1,6),0}$ -pentalenevaleric acid C ₂₁ H ₃₂ O ₄
atrimustinum atrimustine	estradiol 3-benzoate 17-glycolate, 4- $\{p$ -[bls(2-chloroethyl)amino]phenyl]butyrate $C_{41}H_{47}Cl_2NO_4$
avobenzonum avobenzone	1-(<i>p-tert</i> -butylphenyl)-3-(<i>p</i> -methoxyphenyl)-1,3-propanedione C ₂₀ H ₂₂ O ₃
bakeprofenum bakeprofen	(\pm) -2-(<i>m</i> -benzoylphenoxy)propionic acid $C_{18}H_{14}O_4$
batanopridum batanopride	(\pm)-4-amino-5-chloro- <i>N</i> -[2-(diethylamino)ethyl]-2-[(1-methylacetonyl)oxy]-benzamide $\rm C_{17}H_{24}ClN_3O_3$
batoprazinum batoprazine	8-(1-piperazinyl)coumarin $C_{13}H_{14}N_2O_2$
belfosdilum belfosdil	tetrabutyl [2-(2-phenoxyethyl)trimethylene]diphosphonate $C_{27}H_{50}O_7P_2$
bernoradanum bernoradan	(\pm) -7-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)-2 <i>H</i> -1,4-benzoxazin-3(4 <i>H</i>)-one $C_{13}H_{13}N_3O_3$
brifentanilum brifentanil	(\pm) - cis - N -[1-[2-(4-ethyl-5-oxo-2-tetrazolin-1-yl)ethyl]-3-methyl-4-piperidyl] fluoro-2-methoxyacetanilide $C_{20}H_{28}FN_4O_3$

butenafinum butenafine	N -(p -tert-butylbenzyl)- N -methyl-1-naphthalenemethylamine $C_{23}H_{27}N$
calcipotriolum calcipotriol	$(5Z,7E,22E,24S)$ -24-cyclopropyl-9,10-secochola-5,7,10(19),22-tetraene-1 a ,3 β ,24-triol $C_{27}H_{40}O_3$
camonagrelum camonagrel	(\pm)-5-(2-imidazol-1-ylethoxy)-1-indancarboxylic acid $C_{16}H_{18}N_2O_3$
candoxatrilatum candoxatrilat	(aS)-1-[(cis -4-carboxycyclohexyl)carbamoyl]- a -[(2 -methoxyethoxy)methyl]-cyclopentanepropionic acid $C_{20}H_{33}NO_7$
candoxatrilum candoxatril	(aS)-1-[(cis-4-carboxycyclohexyl)carbamoyl]-a-[(2-methoxyethoxy)methyl]cyclopentanepropionic acid, a-5-indanyl ester $C_{29}H_{41}NO_7$
carmoxirolum carmoxirole	3-[4-(3,6-dihydro-4-phenyl-1(2 <i>H</i>)-pyridyl)butyl]indole-5-carboxylic acid $G_{24}H_{26}N_2O_2$
cefdinirum cefdinir	$(-)$ - $(6R,7R)$ -7-[2-(2-amino-4-thiazolyl)glyoxylamıdo]-8-oxo-3-vinyl-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7^2 - (Z) -oxime $C_{14}H_{13}N_5O_5S_2$
cericlaminum cericlamine	(\pm) -3-(3,4-dichloropheny!)-2-(dimethylamino)-2-methyl-1-propanol $C_{12}H_{17}Cl_2NO$
ciclesonidum ciclesonide	11 β ,16 α ,17,21-tetrahydroxypregna-1,4-diene-3,20-dione, cyclic 16,17-acetal with cyclohexanecarboxaldehyde, 21-isobutyrate $C_{3z}H_{44}O_7$
cilutazolinum cilutazoline	2-[[(6-cyclopropyl- m -tolyl)oxy]methyl]-2-imidazoline $G_{14}H_{16}N_2O$
cientiazemum `entiazem	(+)-cis-8-chloro-5-[2-(dimethylamino)ethyl]-2,3-dihydro-3-hydroxy-2-(ρ -methoxyphenyl)-1,5-benzothiazepin-4(5 H)-one acetate (ester) $\rm C_{22}H_{28}CIN_2O_4S$
cronidipinum cronidipine	[8-(p -chlorophenyl)-1,4-dioxa-8-azaspiro[4,5]dec-2-yl]methyl methyl 1,4-dihydro-2,6-dimethyl-4-(m -nitrophenyl)-3,5-pyridinedicarboxylate $C_{30}H_{32}ClN_3O_a$
daniquidonum daniquidone	8-aminoisoindolo[1,2- <i>b</i>]quinazolin-12(10 <i>H</i>)-one C ₁₅ H ₁₁ N ₃ O
danofloxacinum danofloxacın	1-cyclopropyl-6-fluoro-1,4-dıhydro-7- $\{(1S,4S)$ -5-methyl-2,5-diazabicyclo[2.2.1]hept-2-y!}-4-oxo-3-quinolinecarboxylic acid $C_{10}H_{20}FN_3O_3$

decitabinum decitabine	4-amino-1-(2-deoxy- β -o- <i>erythro</i> -pentofuranosyl)- <i>s</i> -triazin-2(1 H)-one $C_{\bullet}H_{12}N_{\bullet}O_{\bullet}$
desfluranum desflurane	(±)-difluoromethyl 1,2,2,2-tetrafluoroethyl ether $C_3H_zF_{\phi}O$
deslorelinum deslorelin	5-oxo-t-prolyl-t-histidyl-t-tryptophyl-t-seryl-t-tyrosyl-p-tryptophyl-t-leucyl-t-arginyl-N-ethyl-t-prolinamide C ₈₄ H ₈₅ N ₁₇ O ₁₂
devazepidum devazepide	(S)-N-(2,3-dihydro-1-methyl-2-oxo-5-phenyl-1/+1,4-benzodiazepin-3-yl)indole 2-carboxamide $C_{25}H_{20}N_4O_2$
dexibuprofenum dexibuprofen	(S) - $(+)$ - p -isobutylhydratropic acid $C_{13}H_{16}O_2$
dexrazoxanum dexrazoxane	(+)-(S)-4,4'-propylenedi-2,6-piperazinedione $C_{11}H_{18}N_4O_4$
divaplonum divaplon	6-ethyl-7-methoxy-5-methylimidazo[1,2- a]pyrimidin-2-yl phenyl ketone $C_{17}H_{17}N_3O_2$
docebenonum docebenone	2-(12-hydroxy-5,10-dodecadiynyl)-3,5,6-trimethyl- p -benzoquinone $C_{z_1}H_{z_2}O_3$
doconexentum doconexent	(<i>all-Z</i>)-4,7,10,13,16,19-docosahexaenoic acid C ₂₂ H ₃₂ O ₂
dosmalfatum dosmalfate	[$\mu_{\rm e}$ -[[diosmin octasulfato](8-)]]tetracontahydroxyhexadecaaluminum $\rm C_{28}H_{\rm e4}AI_{16}O_{79}S_{\rm e}$
drofeninum drofenine	2-(diethylamino)ethył α -phenylcyclohexaneacetate $C_{20}H_{31}NO_2$
duteplasum duteplase	245-t-methionineplasminogen activator (human tissue-type 2-chain form protein moiety) $C_{2736}H_{4174}N_{814}O_{824}S_{46}$
ecogramostimum ecogramostim	N-L-methionylcolony-stimulating factor 2 (human U937 cell protein moiety reduced)
ecomustinum ecomustine	methyl 3-[3-(2-chloroethyl)-3-nitrosoureido]-2,3-dideoxy- a -p-arabino-hexopyranoside $C_{10}H_{18}CIN_3O_8$

edatrexatum edatrexate	$N[p-[1-[(2,4-diamino-6-pteridinyl)]]$ methyl]propyl]benzoyl]-L-glutamic acid $C_{22}H_{25}N_7O_3$
eflumastum eflumast	3'-acetyl-5'-fluoro-2'-hydroxy-1 <i>H</i> -tetrazole-5-carboxanilide C ₁₀ H ₈ FN ₅ O ₃
elgodipinum elgodipine	2-[(p -fluorobenzyl)methylamino]ethyl isopropyl (\pm)-1,4-dihydro-2,6-dimethyl-4-[2,3-(methylenedioxy)phenyl]-3,5-pyridinedicarboxylate $C_{29}H_{33}FN_2O_{6}$
elsamitrucinum elsamitrucin	10-[[2- O -(2-amino-2,6-dideoxy-3- O -methyl- α -o-galactopyranosyl)-6-deoxy-3- C -methyl- β -o-galactopyranosyl]oxy]-6-hydroxy-1-methylbenzo[\hbar][1]-benzopyrano[5,4,3- cde][1]benzopyran-5,12-dione $C_{33}H_{34}NO_{13}$
enalkirenum enalkiren	(aS)-a-[(aS)-a-(3-amino-3-methylbutyramido)-p-methoxyhydrocinnamamido]- N -{(1S,2R,3S)-1-(cyclohexylmethyl)-2,3-dihydroxy-5-methylhexyl]imidazole-4-propionamide $C_{35}H_{56}N_6O_6$
epervudinum epervudine	2'-deoxy-5-isopropyluridine $C_{12}H_{18}N_2O_8$
eptastigminum eptastigmine	<i>N</i> -demethyl- <i>N</i> -heptylphysostigmine or $(3aS,8aR)$ -1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3- b]indol-5-yl heptylcarbamate $C_{z_1}H_{z_2}N_zO_z$
famciclovirum famciclovir	2-[2-(2-amino-9 <i>H</i> -purin-9-yl)ethyl]-1,3-propanediol diacetate (ester) $C_{14}H_{18}N_{9}O_{4}$
fasiplonum fasiplon	6-ethyl-7-methoxy-5-methyl-2-(5-methyl-1,2,4-oxadiazol-3-yl)imidazo-[1,2-a]pyrimidine $\rm C_{13}H_{16}N_3O_2$
fedotozinum fedotozine	$(+)$ - (R) - a -ethyl- N , N -dimethyl- a -[[(3,4,5-trimethoxybenzyl)oxy]methyl]benzyl-amine $C_{zz}H_{s1}NO_4$
fibrinum fibrin	an insoluble plasma protein obtained by the action of thrombin on fibrinogen The source of the product should be indicated, e.g. fibrin (bovine).
finasteridum finasteride	<i>N-tert</i> -butyl-3-oxo-4-aza-5 α -androst-1-ene-17 β -carboxamide $C_{23}H_{36}N_2O_2$

fludeoxyglucosum (18F) fludeoxyglucose (18F)	2-deoxy-2-fluoro-18F-a-o-glucopyranose C ₈ H ₁₁ ,18FO ₂
flutomidatum flutomidate	ethyl (\pm)-1-(p -fluoro- a -methylbenzyl)imidazole-5-carboxylate C ₁₄ H ₁₅ FN ₂ O ₂
flutrimazolum flutrimazole	1-[o -fluoro- a -(p -fluorophenyl)- a -phenylbenzyl]imidazole $C_{22}H_{18}F_2N_2$
fluvastatinum fluvastatin	(±)-(3 R^* ,5 S^* ,6 E)-7-[3-(ρ -fluorophenyl)-1-isopropylindol-2-yl]-3,5-dihydroxy-6 heptenoic acid $C_{24}H_{26}FNO_4$
fosinoprilatum fosinoprilat	(4-S)-4-cyclohexyl-1-[[hydroxy(4-phenylbutyl)phosphinyl]acetyl]-ıproline $C_{23}H_{34}NO_8P$
fosphenytoinum fosphenytoin	3-(hydroxymethyl)-5,5-diphenylhydantoin, dihydrogen phosphate (ester) $C_{1e}H_{1s}N_2O_eP$
fosquidonum fosquidone	benzył 5,8,13,14-tetrahydro-14-methyl-8,13-dioxobenz[5,6]isoindolo-[2,1- b]isoquinolin-9-yl hydrogen phosphate $C_{28}H_{22}NO_{4}P$
galamustinum galamustine	6-[bis(2-chloroethyl)amino]-6-deoxy-o-galactopyranose C ₁₀ H ₁₆ Cl ₂ NO ₅
gedocarnilum gedocarnil	isopropyl 5-(p -chlorophenoxy)-4-(methoxymethyl)-9 H -pyrido[3,4- b]indole-3-carboxylate $C_{23}H_{21}CIN_2O_4$
gemcitabinum gemcitabine	2'-deoxy-2', 2'-difluorocytidine $C_9H_{11}F_2N_3O_4$
gevotrolinum gevotroline	8-fluoro-2,3,4,5-tetrahydro-2-[3-(3-pyridyl)propyl]-1 <i>H</i> -pyrido[4,3- b]indole $C_{10}H_{20}FN_3$
girisopamum girisopam	1-(<i>m</i> -chlorophenyl)-7,8-dimethoxy-4-methyl-5 <i>H</i> -2,3-benzodiazepine $C_{10}H_{17}CIN_2O_2$
glipalamidum glipalamide	(\pm)-5-methyl- N -(p -tolylsulfonyl)-2-pyrazoline-1-carboxamide $C_{12}H_{15}N_3O_3S$

icosapentum icosapent	(all-Z)-5,8,11,14,17-eicosapentaenoic acid or (all-Z)-5,8,11,14,17-icosapentaenoic acid $C_{20}H_{30}O_2$
ioversolum ioversol	N,N' -bis(2,3-dihydroxypropyl)-5-[N -(2-hydroxyethyl)glycolamido]-2,4,6-triiodoisophthalamide $C_{10}H_{24}I_3N_3O_9$
ipazilidum ipazilide	N -[3-(diethylamino)propyl]-4,5-diphenylpyrazole-1-acetamide $C_{z4}H_{z0}N_4O$
isaglidolum isaglidole	4-fluoro-2-(2-imidazolin-2-ylamıno)isoindoline $C_{11}H_{13}FN_4$
isbufyllinum isbufylline	7-isobutyltheophylline C ₁₁ H ₁₆ N ₄ O ₂
isosorbidum isosorbide	1,4:3,6-dianhydro-₀-glucitol C _e H₁₀O₄
itrocinonidum itrocinonide	$6a$,9-difluoro- 11β , $16a$, 17 -trihydroxy-3-oxoandrosta-1,4-diene- 17β -carboxylic acid, ester with ethyl (S)-1-hydroxyethyl carbonate, cyclic (F)- 16 , 17 -acetal with butyraldehyde $C_{20}H_{30}F_2O_{9}$
laidlomycinum !aidlomycin	$(aS,\beta R,\gamma S,2S,5R,7S,8R,9S)$ - β ,9-dihydroxy- a , γ ,2,8-tetramethyl-2-[(2R,5S)-tetrahydro-5-methyl-5-[(2R,3S,5R)-tetrahydro-3-methyl-5-[(2S,3S,5R,6R)-tetrahydro-6-hydroxy-6-(hydroxymethyl)-3,5-dimethyl-2 H -pyran-2-yl]-2-furyl]-1,6-dioxaspiro[4.5]decane-7-butyric acid, β -propionate $C_{37}H_{62}O_{12}$
lavoltidinum lavoltidine	1-methyl-5-[[3-[(α -piperidino- m -tolyl)oxy]propyl]amino]-1 H -1,2,4-triazole-3-methanol $G_{10}H_{20}N_5O_2$
्रीtrazurilum netrazurit	(\pm)-[2,6-dichloro-4-(4,5-dihydro-3,5-dioxo- as -triazin-2(3 H)-yl)phenyl](p -fluorophenyl)acetonitrile $C_{17}H_{\bullet}Cl_{2}FN_{\bullet}O_{2}$
levemopamilum levemopamil	(–)-(S)-2-isopropyl-5-(methylphenethylamino)-2-phenylvaleronitrile $C_{23}H_{30}N_2$
levetiracetamum tevetiracetam	(S)- α -ethyl-2-oxo-1-pyrrolidineacetamide $G_{\text{s}}H_{14}N_{2}O_{2}$
levobetaxoloium levobetaxoloi	(-)-(S)-1-[p-[2-(cyclopropylmethoxy)ethyl]phenoxy]-3-(isopropylamino)-2-propanol $C_{10}H_{20}NO_3$

lidanserinum lidanserin	(\pm) -4-[3-[3-[4-(p -fluorobenzoyl)piperidino]propoxy]-4-methoxyphenyl]-2-pyrrolidinone $C_{29}H_{31}FN_2O_4$
losigamonum losigamone	(5 R^*)-5-[(aS^*)- o -chloro- a -hydroxybenzyl]-4-methoxy-2(5 H)-furanone $C_{12}H_{11}CiO_4$
losmiprofenum losmiprofen	(±)-2-[[3-(p-chlorobenzoyl)-o-tolyl]oxy]propionic acid C ₁₇ H ₁₉ ClO ₄
melquinastum melquinast	ethyl 6-ethyl-5,6-dihydro-9-methyl-5-oxo- s -triazolo[1,5- c]quinazoline-2-carboxylate C _{1s} H _{1e} N ₄ O ₃
mequitamii iodidum mequitamium iodide	(\pm) -1-methyl-3-(phenothiazin-10-ylmethyl)quinuclidinium iodide $C_{z_1}H_{z_2}IN_zS$
meribendanum meribendan	4,5-dihydro-5-methyl-6-(2-pyrazol-3-yl-5-benzimidazolyl)-3(2 <i>H</i>)-pyridazinone $C_{18}H_{14}N_eO$
miltefosinum miltefosine	choline hydroxide, hexadecył hydrogen phosphate, inner salt $C_{21}H_{46}NO_4P$
mirtazapinum mirtazapine	1,2,3,4,10,14b-hexahydro-2-methylpyrazino[2,1- <i>a</i>]pyrido[2,3- <i>c</i>][2]benzazepine C ₁₇ H ₁₈ N ₃
moguisteinum moguisteine	ethyl (\pm)-2-[(σ -methoxyphenoxy)methyl]- β -oxo-3-thiazolidinepropionate $C_{1a}H_{21}NO_{a}S$
moxidectinum moxidectin	(6 <i>R</i> ,25 <i>S</i>)-5- <i>O</i> -demethyl-28-deoxy-25-[(<i>E</i>)-1,3-dimethyl-1-butenyl]-6,28-epoxy-23-oxomilbemycin B 23-(<i>O</i> -methyloxime) $C_{37}H_{33}NO_{6}$
nardeterolum nardeterol	(\pm) - α -[[[3-(1-benzimidazolyl)-1,1-dimethylpropyl]amino]methyl]-2-fluoro-4-hydroxybenzyl alcohol $C_{20}H_{24}FN_3O_2$
natrii borocaptas (¹ºB) sodium borocaptate (¹ºB)	disodium undecahydromercaptododecaborate(2-)-10B ₁₂ 10B ₁₂ H ₁₂ Na ₂ S
nebivololum nebivolol	a_1a' -(iminodimethylene)bis[6-fluoro-2-chromanmethanol] $C_{22}H_{25}F_2NO_4$
neltenexinum neltenexine	4',6'-dibromo-α-[(trans-4-hydroxycyclohexyl)amino]-2-thiophene- carboxy- <i>o</i> -toluidide C ₁₈ H ₂₀ Br ₂ N₂O₂S

nepinalonum nepinalone	(±)-3,4-dihydro-1-methyl-1-(2-piperidinoethyl)-2(1 <i>H</i>)-парhthalenone С ₁₈ Н ₂₅ NO
nitecaponum nitecapone	3-(3,4-dihydroxy-5-nitrobenzylidene)-2,4-pentanedione $C_{1z}H_{11}NO_{\text{\tiny 8}}$
ocfentanilum ocfentanil	2'-fluoro-2-methoxy- N -(1-phenethyl-4-piperidyl)acetanilide $C_{zz}H_{z\tau}FN_zO_2$
oxilofrinum oxilofrine	erythro-p-hydroxy-a-[1-(methylamino)ethyl]benzyl alcohol $C_{10}H_{18}NO_2$
pancopridum pancopride	(\pm)-4-amino-5-chloro- α -cyclopropyl- N -3-quinuclidinyl- α -anisamide $C_{18}H_{24}ClN_3O_2$
pantoprazolum pantoprazole	5-(difluoromethoxy)-2-[[(3,4-dimethoxy-2-pyridyl)methyl]sulfinyl]-benzimidazole $C_{1a}H_{1a}F_2N_3O_4S$
pemirolastum pemirolast	9-methyl-3-(1 <i>H</i> -tetrazol-5-yl)-4 <i>H</i> -pyrido[1,2- <i>a</i>]pyrimidin-4-one C ₁₀ H _e N _e O
penciclovirum penciclovir	9-[4-hydroxy-3-(hydroxymethyl)butyl]guanine $C_{10}H_{15}N_3O_3$
pentifyllinum pentifylline	1-hexyltheobromine C ₁₃ H ₂₆ N ₄ O ₂
pibaxizinum pibaxizine	[2-{2-{4-(diphenylmethylene)piperidino}ethoxy]ethoxy]acetic acid $C_{24}H_{26}NO_4$
pidolacetamolum nidolacetamol	5-oxo-L-proline, ester with 4'-hydroxyacetanılide $C_{13}H_{14}N_2O_4$
pilsicainidum pilsicainide	tetrahydro-1 <i>H</i> -pyrrolizine-7a(5 <i>H</i>)-aceto-2′,6′-xylıdide C ₁₇ H ₂₄ N₂O
quinagolidum quinagolide	(\pm) -N,N-diethyl-N-[(3R*,4aR*,10aS*)-1,2,3,4,4a,5,10,10a-octahydro-6-hydroxy-1-propylbenzo[g]quinolin-3-yl]sulfamide $C_{20}H_{33}N_3O_3S$
rebamipidum rebamipide	(\pm)- a -(p -chlorobenzamido)-1,2-dıhydro-2-oxo-4-quinolinepropionic acid C $_{18}$ H $_{15}$ ClN $_2$ O $_4$

rifametanum rifametane (2S,12Z,14E,16S,17S,18R,19R,20R,21S,22S,23S,24E)-1,2-dihydro-5,6,9,17,19,21-hexahydroxy-23-methoxy-2,4,12,16,18,20,22-heptamethyl-1,11-dioxd-2,7-(epoxypentadeca[1,11,13]trienimino)naphtho[2,1-b]furan-8-carboxaldehyde, 8-azine with <math>N,N-diethylacetamide, 21-acetate

C44H40N4O12

risotilidum risotilide 4'-[isopropyl[2-(isopropylamino)ethyl]sulfamoyl]methanesulfonanilide

C15H27N3O4S2

rociclovirum rociclovir 2-amino-9-[[2-isopropoxy-1-(isopropoxymethyl)ethoxy]methyl]purine

C₁₅H₂₅N₅O₃

romurtidum romurtide 2-acetamido-3-O-[(R)-1-[[(S)-1-[[(R)-1-carbamoyl-3-[[(S)-1-carboxy-5-stearamidopentyl]carbamoyl]propyl]carbamoyl]ethyl]-

2-deoxy-p-glucopyranose C₄₃H₇₈N₆O₁₃

ropinirolum ropinirole

4-[2-(dipropylamino)ethyl]-2-indolinone

C, H24N2O

sampirtinum sampirtine

2,6-diamino-3-(p-fluorobenzyl)pyridine

C12H12FN3

sarafloxacinum sarafloxacin 6-fluoro-1-(p-fluorophenyl)-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinoline-

carboxylic acid C₂₀H₁₇F₂N₃O₃

saviprazolum saviprazole $2\hbox{-}[[[4\hbox{-}(2,2,3,3,4,4,4\hbox{-}heptafluorobutoxy)\hbox{-}2\hbox{-}pyridyl]methyl]sulfinyl]\hbox{-}1$H-$

thieno[3,4-d]imidazole

C15H10F7N3O2S2

secalciferolum secalciferol

(5Z,7E,24R)-9,10-secocholesta-5,7,10(19)-triene-3β,24,25-triol

C27H44O3

sertindolum sertindole

1-[2-[4-[5-chloro-1-(p-fluorophenyl)indol-3-yl]piperidino]ethyl]-

2-imidazolidinone C₂₄H₂₆CIFN₄O

sezolamidum sezolamide (+)-(S)-5,6-dihydro-4-(isobutylamino)-4H-thieno[2,3-b]thiopyran-

2-sulfonamide 7,7-dioxide

C1,H1,N2O4S3

sobuzoxanum sobuzoxane

4,4'-ethylenebis[1-(hydroxymethyl)-2,6-piperazinedione] bis(isobutyl

carbonate) (ester)

C22H34N4O10

somalaporum somalapor

N-L-alanylgrowth hormone (pig clone pPGH-1 reduced)

C₉₇₇H₁₅₂₇N₂₆₅O₂₈₇S₇

	somenoporum somenopor	N-L-alanyl-32-de-L-glutamic acid-33-de-L-arginine-34-de-L-alanine-35-de-L-tyrosine-36-de-L-isoleucine-37-de-L-proline-38-de-L-glutamic acidgrowth hormone (pig clone pPGH-1 reduced) C ₅₃₈ H ₁₄₈₈ N ₂₈₈ O ₂₇₅ S ₇
	suronacrinum suronacrine	(\pm) -9-(benzylamino)-1,2,3,4-tetrahydro-1-acridinol $C_{zo}H_{zo}N_{z}O$
	taniplonum taniplon	6,7,8,9-tetrahydro-5-methoxy-2-(5-methyl-1,2,4-oxadiazol-3-yl)imidazo-[1,2- a]quinazoline C ₁₄ H ₁₅ N ₅ O ₂
	technetium (*****Tc) teboroximum technetium (*****Tc) teboroxime	[bis[(1,2-cyclohexanedione dioximato)(1-)- O][(1,2-cyclohexanedione dioximato)(2-)- O]methylborato(2-)- N , N' , N'' , N''' , N'''' , N'''' , N'''']chloro[**mTc]technetium(III) $C_{10}H_{20}BCIN_0O_0^{**m}Tc$
ţ	.\idapum tenidap	(Z)-5-chloro-3-(a-hydroxy-2-thenylidene)-2-oxo-1-indolinecarboxamide $C_{14}H_9ClN_2O_3S$
	terflavoxatum terflavoxate	1,1-dimethyl-2-piperidinoethyl 3-methyl-4-oxo-2-phenyl-4 H -1-benzopyran-8-carboxylate $C_{26}H_{28}NO_4$
	thymotrinanum thymotrinan	N -(N^2 -L-arginyl-L-lysyl)-L-aspartic acid $C_{16}H_{31}N_7O_6$
	timirdinum timirdine	3-(2-amino-4-chlorophenyl)-2-iminothiazolidine $C_{\bullet}H_{10}CIN_{s}S$
	tiracizinum tiracizine	ethyl 5-(N , N -dimethylglycyl)-10,11-dihydro-5 H -dibenz[b , f]azepine-3-carbamate $C_{21}H_{26}N_3O_3$
	קרipristonum ripristone	17 β -hydroxy-11 β -[p -(isopropylmethylamino)phenyl]-17-(1-propynyl)estra-4,9-dien-3-one $C_{a_1}H_{a_2}NO_2$
	trelnarizinum trelnarizine	(E)-1-[bis(ρ -fluorophenyl)methyl]-4-(3,4-dimethoxycinnamyl)piperazine $C_{28}H_{30}F_2N_2O_2$
	tropisetronum tropisetron	$1aH$, $5aH$ tropan- $3a$ -yl indole- 3 -carboxylate $C_{17}H_{20}N_2O_2$
	troquidazolum troquidazole	N -(3-nitro-4-quinolyl)-4-morpholinecarboxamidine $C_{14}H_{15}N_5O_3$

vapreotidum vapreotide	o-phenylalanyl-t-cysteinyl-t-tyrosyl-o-tryptophyl-t-lysyltryptophanamide cyclic $(2\rightarrow7)$ -disulfide $C_{87}H_{70}N_{12}O_{8}S_{2}$
velnacrinum velnacrine	(\pm)-9-amino-1,2,3,4-tetrahydro-1-acridinol $C_{13}H_{14}N_{2}O$
vintoperolum vintoperol	(-)-(1 <i>S</i> ,12b <i>S</i>)-1-ethyl-1,2,3,4,6,7,12,12b-octahydroindo 1-methanol C ₁₈ H ₂₄ N ₂ O
voxergolidum voxergolide	(\pm) -(6a R ,9 R ,10a R)-4,6a,7,8,9,10a-hexahydro-7-methyl-6 H indolo[3,4- gh][1,4]benzoxazine $C_{16}H_{20}N_{z}OS$
zatebradinum zatebradine	3-[3-[(3,4-dimethoxyphenethyl)methylamino]propyl]-1,(dimethoxy-2 H 3-benzazepin-2-one $C_{2a}H_{3a}N_2O_4$

AMENDMENTS TO PREVIOUS LISTS

WHO Chronicle, Vol. 13, No. 12, 1959

Recommended International Nonproprietary Names (Rec. INN): List 3

p. 468 lauralkonii chloridum lauralkonium chloride

replace the chemical name by the following:

benzyl[2-[p-(lauroyl)phenoxy]ethyl]dimethylammonium chloride

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

Recommended International Nonproprietary Names (Rec. INN): List 25

p. 6 etomoxirum etomoxir replace the chemical name by the following: ethyl (+)-2-(6-(p-chlorophenoxy)hexyl]glycidate

WHO Drug Information, Vol. 2, No. 3, 1988

Recommended International Nonproprietary Names (Rec. INN): List 28

p. 5 saruplasum saruplase

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

prourokinase (enzyme-activating) (human clone pUK4/pUK18)

C2031H3121N585O601S31

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

Recommended International Nonproprietary Names (Rec. INN): List 29

p. 7 muroderminum murodermin replace the molecular formula by the following:

C257H375N73O83S7