

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 no-

tice 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 17²

*Recommended International
Nonproprietary Name (Latin, English)*

Chemical Name or Description and Molecular Formula

acidum clodronicum clodronic acid	(dichloromethylene)diphosphonic acid <chem>CH4Cl2O6P2</chem>
acidum fyticum fytic acid	phytic acid <chem>C6H18O24P6</chem>
acidum iomorinicum iomorinic acid	2-methyl-N-[2,4,6-triiodo-3-[(1-morpholinoethylidene)amino]benzoyl]-β-alanine <chem>C17H20I3N3O4</chem>
acidum iotetricum iotetric acid	3,3'-[ethylenebis(oxyethyleneoxymethylenecarbonylimino)]bis-[2,4,6-triiodobenzoic acid] <chem>C24H22I6N2O10</chem>
acidum ioxaglicum ioxaglic acid	N-(2-hydroxyethyl)-2,4,6-triiodo-5-[2-[2,4,6-triiodo-3-(N-methylacetamido)-5-(methylcarbamoyl)benzamido]acetamido]isophthalamide <chem>C24H21I6N5O8</chem>
acidum persilicum persilic acid	2,5-dihydroxy-p-benzenedisulfonic acid <chem>C6H6O8S2</chem>
acidum sultosilicum sultosilic acid	2,5-dihydroxybenzenesulfonic acid 5-p-toluenesulfonate <chem>C13H12O7S2</chem>
adamexinum adamexine	α-(1-adamantylmethylamino)-4', 6'-dibromo-o-acetotoluidide <chem>C20H26Br2N2O</chem>
alifluranum aliflurane	2-chloro-1,2,3,3-tetrafluorocyclopropyl methyl ether <chem>C4H3ClF4O</chem>
almitrinum almitrine	2,4-bis(allylamino)-6-[4-[bis(p-fluorophenyl)methyl]-1-piperazinyl]-s-triazine <chem>C26H29F2N7</chem>
amezinil metilsulfas amezinium metilsulfate	4-amino-6-methoxy-1-phenylpyridazinium methyl sulfate <chem>C12H15N3O5S</chem>
amineptinum amineptine	7-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)amino]heptanoic acid <chem>C22H27NO2</chem>

¹ *Off. Rec. Wld Hlth Org.*, 1955, 60, 3 (Resolution EB15.R7); 1969, 173, 10 (Resolution EB43.R9).

² Other lists of recommended international

nonproprietary names can be found in *Chron Wld Hlth Org.*, 1955, 9, 185; *WHO Chronicle*, 1959, 13, 106, 463; 1962, 16, 101, 1965, 19, 165, 206, 249; 1966, 20, 421; 1967, 21, 538; 1968,

22, 463; 1969, 23, 490; 1970, 24, 526; 1971, 25, 476; 1972, 26, 476; 1973, 27, 453; Supplements to *WHO Chronicle*, 1974, Vol. 28, No. 10; 1975, Vol. 29, No. 10; 1976, Vol. 30, No. 10.

amitriptylinoxidum amitriptylinoxide	10,11-dihydro- <i>N,N</i> -dimethyl-5 <i>H</i> -dibenzo[<i>a,d'</i>]cycloheptene-4 ⁵ , <i>x</i> -propylamine <i>N</i> -oxide C ₂₀ H ₂₃ NO
amoscanatum amoscanate	<i>p</i> -(<i>p</i> -nitroanilino)phenyl isothiocyanate C ₁₃ H ₉ N ₃ O ₂ S
anthioliminum anthiolimine	mercaptosuccinic acid triester with thioantimonic acid (H ₃ SbS ₃), hexalithium salt C ₁₂ H ₉ Li ₆ O ₁₂ S ₃ Sb
arfalasinum arfalasin	1-succinamic acid-5- <i>L</i> -valine-8-(<i>L</i> -2-phenylglycine)angiotensin II <i>or</i> <i>L</i> -2-phenyl- <i>N</i> -[<i>N</i> -[<i>N</i> -[<i>N</i> -[<i>N</i> -(<i>N</i> ² -succinamoyl- <i>L</i> -arginyl)- <i>L</i> -valyl]- - <i>L</i> -tyrosyl]- <i>L</i> -valyl]- <i>L</i> -histidyl]- <i>L</i> -prolyl]glycine C ₄₈ H ₆₇ N ₁₃ O ₁₁
azelastinum azelastine	4-(<i>p</i> -chlorobenzyl)-2-(hexahydro-1-methyl-1 <i>H</i> -azepin-4-yl)-1(2 <i>H</i>)-phthal- azinone C ₂₂ H ₂₄ ClN ₃ O
azepindolum azepindole	2,3,4,5-tetrahydro-1 <i>H</i> -[1,4]diazepino[1,2- <i>a</i>]indole C ₁₂ H ₁₄ N ₂
azlpramium azlpramine	1-[2-(benzylmethylamino)ethyl]-6,7-dihydroindolo[1,7- <i>ab</i>][1]benzazepine C ₂₆ H ₂₆ N ₂
azlocillinum azlocillin	(2 <i>S</i> ,5 <i>R</i> ,6 <i>R</i>)-3,3-dimethyl-7-oxo-6-[(<i>R</i>)-2-(2-oxo-1-imidazolidinecarbox- amido)-2-phenylacetamido]-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid C ₂₀ H ₂₃ N ₅ O ₆ S
bamnidazolum bamnidazole	2-methyl-5-nitroimidazole-1-ethanol carbamate (ester) C ₇ H ₁₀ N ₄ O ₄
barbexaclonum barbexaclone	(-)- <i>N</i> , <i>α</i> -dimethylcyclohexaneethylamine compound with 5-ethyl-5-phenylbarbituric acid C ₁₂ H ₁₂ N ₂ O ₃ · C ₁₀ H ₂₁ N or C ₂₂ H ₃₃ N ₃ O ₃
belarizinium belarizine	<i>α</i> -[4-(diphenylmethyl)-1-piperazinyl]- <i>p</i> -cresol C ₂₄ H ₂₆ N ₂ O
benpenolisinum benpenolisin	<i>N</i> ⁶ -[D-2-[(2 <i>R</i> ,4 <i>S</i>)-4-carboxy-5,5-dimethyl-2-thiazolidinyl]- <i>N</i> -(phenylacetyl)glycyl]- <i>L</i> -lysine monopotassium salt, dodecapeptide H[C ₂₂ H ₂₉ KN ₄ O ₅ S] ₁₂ OH or C ₂₆₄ H ₃₅₀ K ₁₂ N ₄₈ O ₆₁ S ₁₂
benzoxonil chloridum benzoxonium chloride	benzyl dodecylbis(2-hydroxyethyl)ammonium chloride C ₂₃ H ₄₂ ClNO ₂
bevantololum bevantolol	1-[(3,4-dimethoxyphenethyl) amino]-3-(<i>m</i> -tolylloxy)-2-propanol C ₂₀ H ₂₇ NO ₄
brazergolinum brazergoline	2-bromo-6-methylergoline-8β-methanol hexahydro-1 <i>H</i> -azepine- 1-carboxylate (ester) C ₂₃ H ₃₀ BrN ₃ O ₂
budesonidum budesonide	11β,16α,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with butyraldehyde C ₂₅ H ₃₄ O ₆
budipnum budipine	1- <i>tert</i> -butyl-4,4-diphenylpiperidine C ₂₁ H ₂₇ N
buserelinum buserelin	5-oxo- <i>L</i> -prolyl- <i>L</i> -histidyl- <i>L</i> -tryptophyl- <i>L</i> -seryl- <i>L</i> -tyrosyl- <i>O</i> - <i>tert</i> -butyl-D-seryl- <i>L</i> -leucyl- <i>L</i> -arginyl- <i>N</i> -ethyl- <i>L</i> -prolinamide C ₆₀ H ₈₆ N ₁₆ O ₁₃
candicedinum candicedin	an antibiotic obtained from cultures of <i>Streptomyces griseus</i> , or the same substance produced by any other means
carboprostum carboprost	(<i>E,Z</i>)-(1 <i>R</i> ,2 <i>R</i> ,3 <i>R</i> ,5 <i>S</i>)-7-[3,5-dihydroxy-2-[(3 <i>S</i>)-(3-hydroxy-3-methyl-1- octenyl)]cyclopentyl]-5-heptenoic acid C ₂₁ H ₃₆ O ₅

carbutamidum carbutamide	1-butyl-3-sulfanylylurea C ₁₁ H ₁₇ N ₃ O ₃ S
carcainii chloridum carcainium chloride	dimethylbis[(phenylcarbamoyl)methyl]ammonium chloride C ₁₈ H ₂₂ ClN ₃ O ₂
carnitinum carnitine	(3-carboxy-2-hydroxypropyl)trimethylammonium hydroxide inner salt C ₇ H ₁₅ NO ₃
cethexonii chloridum cethexonium chloride	hexadecyl(2-hydroxycyclohexyl)dimethylammonium chloride C ₂₄ H ₅₀ ClNO
cetraxatum cetraxate	<i>p</i> -hydroxyhydrocinnamic acid <i>trans</i> -(4-aminomethyl)cyclohexanecarboxylate C ₁₇ H ₂₃ NO ₄
ciclidolum ciclidole	3-(dimethylamino)-1,2,3,4-tetrahydrocarbazole C ₁₄ H ₁₈ N ₂
cicloheximidum cicloheximide	3-[(<i>R</i>)-2-[(1 <i>S</i> ,3 <i>S</i> ,5 <i>S</i>)-3,5-dimethyl-2-oxocyclohexyl]-2-hydroxyethyl]-glutarimide C ₁₅ H ₂₃ NO ₄
cinromidum cinromide	(<i>E</i>)- <i>m</i> -bromo- <i>N</i> -ethylcinnamamide C ₁₁ H ₁₂ BrNO
ciprafamidum ciprafamide	<i>N</i> -(<i>cis</i> -2, <i>trans</i> -3-diphenylcyclopropyl)-1-pyrrolidineacetamide C ₂₁ H ₂₄ N ₂ O
ciprofibratum ciprofibrate	2-[<i>p</i> -(2,2-dichlorocyclopropyl)phenoxy]-2-methylpropionic acid C ₁₃ H ₁₄ Cl ₂ O ₃
citalopramum citalopram	1-[3-(dimethylamino)propyl]-1-(<i>p</i> -fluorophenyl)-5-phthalanecarbonitrile C ₂₀ H ₂₁ FN ₂ O
clofoctolum clofoctol	α -(2,4-dichlorophenyl)-4-(1,1,3,3-tetramethylbutyl)- <i>o</i> -cresol C ₂₁ H ₂₆ Cl ₂ O
closantelum closantel	5'-chloro- α^4 -(<i>p</i> -chlorophenyl)- α^4 -cyano-3,5-diiodo-2',4'-salicyloxylicide C ₂₂ H ₁₄ Cl ₂ I ₂ N ₂ O ₂
cloximatum cloximate	2-(dimethylamino)ethyl (<i>E</i>)-[[(<i>p</i> -chloro- α -methylbenzylidene)amino]oxy]-acetate C ₁₄ H ₁₉ ClN ₂ O ₃
cogazocinum cogazocine	3-(cyclobutylmethyl)-6-ethyl-1,2,3,4,5,6-hexahydro-11,11-dimethyl-2,6-methano-3-benzazocin-8-ol C ₂₁ H ₃₁ NO
colterolum colterol	(\pm)- α -[(<i>tert</i> -butylamino)methyl]-3,4-dihydroxybenzyl alcohol C ₁₂ H ₁₉ NO ₃
crotelamidum crotetamide	<i>N</i> -[1-(dimethylcarbamoyl)propyl]- <i>N</i> -ethylcrotonamide C ₁₂ H ₂₂ N ₂ O ₂
cyclofenilum cyclofenil	4,4'-(cyclohexyldienemethylene)diphenol diacetate ester C ₂₃ H ₂₄ O ₄
difeterolum difeterol	α -[1-[[2-(diphenylmethoxy)ethyl]methylamino]ethyl]benzyl alcohol C ₂₅ H ₂₉ NO ₂
dimetipirii bromidum dimetipirium bromide	1-(2-hydroxyethyl)-1,2,5-trimethylpyrrolidinium bromide benzoate C ₂₃ H ₃₀ BrNO ₃
doconazolum doconazole	<i>cis</i> -1-[[4-[(4-biphenyloxy)methyl]-2-(2,4-dichlorophenyl)-1,3-dioxolan-2-yl]methyl]imidazole C ₂₆ H ₂₂ Cl ₂ N ₂ O ₃
domperidonum domperidone	5-chloro-1-[1-[3-(2-oxo-1-benzimidazolyl)propyl]-4-piperidyl]-2-benzimidazolinone C ₂₂ H ₂₄ ClN ₅ O ₂

drinidenum drinidene	2-(aminomethylene)-1-indanone C ₁₀ H ₉ NO
drobulinum drobuline	(±)-1-(isopropylamino)-4,4-diphenyl-2-butanol C ₁₉ H ₂₅ NO
droprenilaminum droprenilamine	<i>N</i> -(3,3-diphenylpropyl)-α-methylcyclohexaneethylamine C ₂₄ H ₃₃ N
emilli tosilas emillium tosilate	ethyl(<i>m</i> -methoxybenzyl)dimethylammonium <i>p</i> -toluenesulfonate C ₁₉ H ₂₇ NO ₄ S
ethenzamidum ethenzamide	<i>o</i> -ethoxybenzamide C ₉ H ₁₁ NO ₂
etoperidonum etoperidone	1-[3-[4-(<i>m</i> -chlorophenyl)-1-piperazinyl]propyl]-3,4-diethyl-Δ ² -1,2,4-triazolin-5-one C ₁₉ H ₂₈ ClN ₅ O
etoprindolum etoprindole	1-[2-(dimethylamino)ethyl]indol-3-yl ethyl ketone oxime C ₁₅ H ₂₁ N ₃ O
exalamidum exalamide	<i>o</i> -(hexyloxy)benzamide C ₁₃ H ₁₉ NO ₂
femoxetinum femoxetine	(+)- <i>trans</i> -3-[(<i>p</i> -methoxyphenoxy)methyl]-1-methyl-4-phenylpiperidine C ₂₀ H ₂₆ NO ₂
fexinidazolum fexinidazole	1-methyl-2-[[<i>p</i> -(methylthio)phenoxy]methyl]-5-nitroimidazole C ₁₂ H ₁₃ N ₃ O ₃ S
flecainidum flecainide	<i>N</i> -(2-piperidylmethyl)-2,5-bis(2,2,2-trifluoroethoxy)benzamide C ₁₇ H ₂₀ F ₆ N ₂ O ₃
fludiazepamum fludiazepam	7-chloro-5-(<i>o</i> -fluorophenyl)-1,3-dihydro-1-methyl-2 <i>H</i> -1,4-benzodiazepin-2-one C ₁₆ H ₁₂ ClFN ₂ O
flumexadolum flumexadol	2-(α,α,α-trifluoro- <i>m</i> -tolyl)morpholine C ₁₁ H ₁₂ F ₃ NO
fluotracenum fluotracen	(±)- <i>cis</i> -9,10-dihydro- <i>N,N</i> ,10-trimethyl-2-(trifluoromethyl)-9-anthracenepropylamine C ₂₁ H ₂₄ F ₃ N
flurotylum flurotyl	bis(2,2,2-trifluoroethyl) ether C ₄ H ₄ F ₆ O
fosfosalum fosfosal	salicylic acid dihydrogen phosphate C ₇ H ₇ O ₆ P
framycelinum framycetin	neomycin B or <i>O</i> -2,6-diamino-2,6-dideoxy-β-L-idopyranosyl-(1→3)- <i>O</i> -β-D-ribofuranosyl-(1→5)- <i>O</i> -[2,6-diamino-2,6-dideoxy-α-D-glucopyranosyl-(1→4)]-2-deoxy-D-streptamine C ₂₃ H ₄₆ N ₆ O ₁₃
furodazolum furodazole	2-(2-furyl)-7-methyl-1 <i>H</i> -imidazo[4,5- <i>f</i>]quinolin-9-ol C ₁₅ H ₁₁ N ₃ O ₂
gestodenum gestodene	13-ethyl-17-hydroxy-18,19-dinor-17α-pregna-4,15-dien-20-yn-3-one C ₂₁ H ₂₆ O ₂
gitaloxinum gitaloxin	gitoxin 16-formate C ₄₂ H ₆₄ O ₁₅
gleptoferronium gleptoferron	(dextran)(glucoheptonic acid)hydroxyoxoiron approx FeOOH[(C ₆ H ₁₀ O ₅) _n ·C ₇ H ₁₄ O ₆]
glusoferronium glusoferron	D-gluconic acid polymer with D-glucitol, iron(3+) salt

glymidinum natricum glymidine sodium	[<i>N</i> -[5-(2-methoxyethoxy)-2-pyrimidinyl]benzene-sulfonamide] sodium derivative C ₁₃ H ₁₄ N ₃ NaO ₄ S
guanfacinum guanfacine	<i>N</i> -amidino-2-(2,6-dichlorophenyl)acetamide C ₉ H ₉ Cl ₂ N ₃ O
halopredonum halopredone	2-bromo-6β,9-difluoro-11β,17,21-trihydroxypregna-1,4-diene-3,20-dione C ₂₁ H ₂₆ BrF ₂ O ₅
halothanum halothane	2-bromo-2-chloro-1,1,1-trifluoroethane C ₂ HBrClF ₃
homidii bromidum homidium bromide	3,8-diamino-5-ethyl-6-phenylphenanthridinium bromide C ₂₁ H ₂₀ BrN ₃
iclazepamum iclazepam	7-chloro-1-[2-(cyclopropylmethoxy)ethyl]-1,3-dihydro-5-phenyl-2 <i>H</i> -1,4-benzodiazepin-2-one C ₂₁ H ₂₁ ClN ₂ O ₂
imexonum imexon	4-imino-1,3-diazabicyclo[3.1.0]hexan-2-one C ₄ H ₅ N ₃ O
imipraminoxidum imipraminoxide	5-[3-(dimethylamino)propyl]-10,11-dihydro-5 <i>H</i> -dibenz[<i>b,f</i>]azepine <i>N</i> -oxide C ₁₉ H ₂₄ N ₂ O
impacarzinum impacarzine	<i>N,N</i> -diethyl-4-[2-(2-oxo-3-tetradecyl-1-imidazolidinyl)ethyl]-1-piperazine-carboxamide C ₂₈ H ₅₅ N ₅ O ₂
indenololum indenolol	1-[inden-4(<i>or</i> 7)-yloxy]-3-(isopropylamino)-2-propanol C ₁₅ H ₂₁ NO ₂
iproheptinum iproheptine	<i>N</i> -isopropyl-1,5-dimethylhexylamine C ₁₁ H ₂₅ N
iprozilaminum iprozilamine	4-chloro-2-(isopropylamino)-6-(4-methyl-1-piperazinyl)-5-(methylthio)-pyrimidine C ₁₃ H ₂₂ ClN ₅ S
isamfazonium isamfazonium	(-)- <i>N</i> -methyl- <i>N</i> -(α-methylphenethyl)-6-oxo-3-phenyl-1(6 <i>H</i>)-pyridazineacetamide C ₂₂ H ₂₃ N ₃ O ₂
isamoxolum isamoxole	<i>N</i> -butyl-2-methyl- <i>N</i> -(4-methyl-2-oxazolyl)propionamide C ₁₂ H ₂₀ N ₂ O ₂
isoflupredonum isoflupredone	9-fluoro-11β,17,21-trihydroxypregna-1,4-diene-3,20-dione C ₂₁ H ₂₇ FO ₅
isosulpridum isosulpride	1-ethyl-5'-sulfamoyl-2-pyrrolidineacet- <i>o</i> -anisidide C ₁₅ H ₂₃ N ₃ O ₄ S
isoxepacum isoxepac	6,11-dihydro-11-oxodibenz[<i>b,e</i>]oxepin-2-acetic acid C ₁₆ H ₁₂ O ₄
levonorgestrelum levonorgestrel	D-(-)-13-ethyl-17-hydroxy-18,19-dinor-17α-pregn-4-en-30-yn-3-one C ₂₁ H ₂₈ O ₂
levopropylhexedrinum levopropylhexedrine	(-)- <i>N</i> ,α-dimethylcyclohexaneethylamine C ₁₀ H ₂₁ N
lofendazamum lofendazam	8-chloro-1,3,4,5-tetrahydro-1-phenyl-2 <i>H</i> -1,5-benzodiazepin-2-one C ₁₅ H ₁₃ ClN ₂ O
lomifyllinum lomifylline	7-(5-oxohexyl)theophylline C ₁₃ H ₁₈ N ₄ O ₃
lopirazepamum lopirazepam	7-chloro-5-(<i>o</i> -chlorophenyl)-1,3-dihydro-3-hydroxy-2 <i>H</i> -pyrido[3,2- <i>e</i>]-1,4-diazepin-2-one C ₁₄ H ₉ Cl ₂ N ₃ O ₂
lynestrenolum lynestrenol	19-nor-17α-pregn-4-en-20-yn-17-ol C ₂₀ H ₂₈ O

macrogolum macrogol	polyethylene glycol of general formula $H-(OCH_2CH_2)_n-OH$ where n varies from 3 to 225 approximately. Each macrogol name is followed by a number corresponding approximately to its average molecular weight, e.g. macrogol 300, 400, 1000, 4000.
menfegolum menfegol	α -[p -(p -menthyl)phenyl]- ω -hydroxypoly(oxyethylene) $(C_{24}H_{40}O)_n C_{16}H_{24}O$
mepindololum mepindolol	1-(isopropylamino)-3-[(2-methylindol-4-yl)oxy]-2-propanol $C_{15}H_{22}N_2O_2$
meseciazonum meseciazone	7-chloro-3,3a-dihydro-2-methyl-2 <i>H</i> ,9 <i>H</i> -isoxazolo[3,2- <i>b</i>][1,3]benzoxazin-9-one $C_{11}H_{10}ClNO_3$
mesterololum mesterolone	17 β -hydroxy-1 α -methyl-5 α -androstane-3-one $C_{20}H_{32}O_2$
metildigoxinum metildigoxin	4'''- <i>O</i> -methylidigoxin $C_{42}H_{66}O_{14}$
mezilaminum mezilamine	4-chloro-2-(methylamino)-6-(4-methyl-1-piperazinyl)-5-(methylthio)-pyrimidine $C_{11}H_{18}ClN_5S$
milenperonum milenperone	5-chloro-1-[3-[4-(p -fluorobenzoyl)piperidino]propyl]-2-benzimidazolinone $C_{22}H_{23}ClFN_3O_2$
mocetamidum mocetamide	(-)- <i>N</i> -(p -methyl- α -phenylphenethyl)linoleamide $C_{33}H_{47}NO$
moprololum moprolol	1-(isopropylamino)-3-(<i>o</i> -methoxyphenoxy)-2-propanol $C_{13}H_{21}NO_3$
moxaverinum moxaverine	1-benzyl-3-ethyl-6,7-dimethoxyisoquinoline $C_{20}H_{21}NO_2$
muzolimum muzolimine	3-amino-1-(3,4-dichloro- α -methylbenzyl)-2-pyrazolin-5-one $C_{11}H_{11}Cl_2N_3O$
natrii picofosfas sodium picofosphate	4,4'-(2-pyridylmethylene)diphenol bis(dihydrogen phosphate) tetrasodium salt $C_{18}H_{13}NN_4O_8P_2$
netilmicinum netilmicin	<i>O</i> -3-deoxy-4- <i>C</i> -methyl-3-(methylamino)- β - <i>L</i> -arabinopyranosyl(1 \rightarrow 4)- <i>O</i> -[2,6-diamino-2,3,4,6-tetra-deoxy- α -D- <i>glycero</i> -hex-4-enopyranosyl-(1 \rightarrow 6)]-2-deoxy- <i>N</i> ³ -ethyl- <i>L</i> -streptamine $C_{21}H_{41}N_5O_7$
nifuroquinum nifuroquine	4-(5-nitro-2-furyl)quinaldic acid 1-oxide $C_{14}H_8N_2O_6$
nifurtinololum nifurtinol	3-(hydroxymethyl)-1-[(5-nitrofurfurylidene)amino]hydantoin $C_9H_8N_4O_6$
nifurzidum nifurzide	5-nitro-2-thiophenecarboxylic acid [3-(5-nitro-2-furyl)allylidene]hydrazide $C_{12}H_8N_4O_6S$
niliprazolum niliprazole	4-[[1-(2-benzoyl-ethyl)-2-benzimidazolyl]methyl]- <i>N</i> -isopropyl-1-piperazineacetamide $C_{26}H_{33}N_5O_2$
nimustinum nimustine	3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-1-(2-chloroethyl)-1-nitrosourea $C_9H_{13}ClN_5O_2$
nitracrinum nitracrine	9-[[3-(dimethylamino)propyl]amino]-1-nitroacridine $C_{18}H_{20}N_4O_2$
nivimedonum nivimedone	5,6-dimethyl-2-nitro-1,3-indandione $C_{11}H_8N_2O_4$

nocodazolum nocodazole	methyl 5-(2-thenoyl)-2-benzimidazolecarbamate C ₁₄ H ₁₁ N ₃ O ₃ S
nolinii bromidum nolinium bromide	2-(3,4-dichloroanilino)quinolizinium bromide C ₁₅ H ₁₁ BrCl ₂ N ₂
norgestimum norgestimate	(+)-13-ethyl-17-hydroxy-18,19-dinor-17 α -pregn-4-en-20-yn-3-one oxime acetate (ester) C ₂₃ H ₃₄ NO ₃
octastinum octastine	1-[2-[(<i>p</i> -chloro- α -methyl- α -phenylbenzyl)oxy]ethyl]octahydroazocine C ₂₃ H ₃₀ ClNO
oxametacinum oxametacin	1-(<i>p</i> -chlorobenzoyl)-5-methoxy-2-methylindole-3-acetohydroxamic acid C ₁₉ H ₁₇ ClN ₂ O ₄
oxapii iodidum oxapium iodide	1-[(2-cyclohexyl-2-phenyl-1,3-dioxolan-4-yl)methyl]-1-methylpiperidinium iodide C ₂₂ H ₃₄ INO ₂
oxepinacum oxepinac	6,11-dihydro-11-oxodibenz[<i>b,e</i>]oxepin-3-acetic acid C ₁₆ H ₁₂ O ₄
oxidopaminum oxidopamine	5-(2-aminoethyl)-1,2,4-benzenetriol C ₈ H ₁₁ NO ₃
oxitropii bromidum oxitropium bromide	(8 <i>r</i>)-6 β ,7 β -epoxy-8-ethyl-3 α -hydroxy-1 α H,5 α H-tropanium bromide (-)-tropate C ₁₉ H ₂₆ BrNO ₄
pamatololum pamatolol	methyl (\pm)-[<i>p</i> -[2-hydroxy-3-(isopropylamino)propoxy]phenethyl]carbamate C ₁₈ H ₂₆ N ₂ O ₄
pargololum pargolol	1-(<i>tert</i> -butylamino)-3-[<i>o</i> -(2-propynyloxy)phenoxy]-2-propanol C ₁₆ H ₂₃ NO ₃
penlololum penlolol	<i>o</i> -[2-hydroxy-3-(<i>tert</i> -pentylamino)propoxy]benzonitrile C ₁₅ H ₂₂ N ₂ O ₂
penprostenum penprostene	(\pm)-(Z)-7-[(1 <i>R</i> *,2 <i>S</i> *)-2-[(<i>E</i>)-3 <i>R</i> *-5-ethoxy-3-hydroxy-4,4-dimethyl-1-pentenyl]-5-oxo-3-cyclopenten-1-yl]-5-heptenoic acid C ₂₇ H ₃₂ O ₅
pentizidolum pentizidone	(<i>R</i>)-4-[(1-methyl-3-oxo-1-butenyl)amino]-3-isoxazolidinone C ₈ H ₁₂ N ₂ O ₃
piberalinum piberaline	1-benzyl-4-picolinoylpiperazine C ₁₇ H ₁₉ N ₃ O
pifarninum pifarnine	1-piperonyl-4-(3,7,11-trimethyl-2,6,10-dodecatrienyl)piperazine C ₂₇ H ₄₀ N ₂ O ₂
piracetamum piracetam	2-oxo-1-pyrrolidineacetamide C ₆ H ₁₀ N ₂ O ₂
pitenodilum pitenodil	2-[4-[3-(2-thenoyl)propyl]-1-piperazinyl]ethyl dimethylcarbamate C ₁₇ H ₂₇ N ₃ O ₃ S
polyestradioli phosphas polyestradiol phosphate	estradiol phosphate polymer approx. (C ₁₈ H ₂₂) _m (O ₄ P) _n
ponfibratum ponfibrate	ethyl <i>trans</i> -2,10-dichloro-12-methyl-12 <i>H</i> -dibenzo[<i>d,g</i>][1,3]dioxocin-6-carboxylate C ₁₆ H ₁₆ Cl ₂ O ₄
prefenamatum prefenamate	3-methyl-2-butenyl <i>N</i> -(α,α,α -trifluoro- <i>m</i> -tolyl)anthranilate C ₁₈ H ₁₈ F ₃ NO ₂
procaterolum procaterol	8-hydroxy-5-[1-hydroxy-2-(isopropylamino)butyl]carbostyryl C ₁₆ H ₂₂ N ₂ O ₃
procodazolum procodazole	2-benzimidazolepropionic acid C ₁₀ H ₁₀ N ₂ O ₂

quazepamum quazepam	7-chloro-5-(<i>o</i> -fluorophenyl)-1,3-dihydro-1-(2,2,2-trifluoroethyl)-2 <i>H</i> -1,4-benzodiazepine-2-thione C ₁₇ H ₁₁ ClF ₄ N ₂ S
quínestrolum quínestrol	3-cyclopentyloxy-17 α -ethynylestra-1,3,5(10)-trien-17 β -ol C ₂₅ H ₃₂ O ₂
repromicinum repromicin	16-ethyl-4-hydroxy-5,9,13,15-tetramethyl-2,10-dioxo-6-[[3,4,6-trideoxy-3-(dimethylamino)- β -D-xylo-hexopyranosyl]oxy]oxacyclohexadeca-11,13-diene-7-acetaldehyde C ₃₁ H ₅₁ NO ₈
rosoxacinum rosoxacin	1-ethyl-1,4-dihydro-4-oxo-7-(4-pyridyl)-3-quinolinecarboxylic acid C ₁₇ H ₁₄ N ₂ O ₃
salinomycinum salinomycin	salinomycin <i>or</i> (<i>aR</i> ,2 <i>R</i> ,5 <i>S</i> ,6 <i>R</i>)- α -ethyl-6-[(1 <i>S</i> ,2 <i>S</i> ,3 <i>S</i> ,5 <i>R</i>)-5-[(2 <i>S</i> ,5 <i>S</i> ,7 <i>R</i> ,9 <i>S</i> ,10 <i>S</i> ,12 <i>R</i> ,15 <i>R</i>)-2-[(2 <i>R</i> ,5 <i>R</i> ,6 <i>S</i>)-5-ethyltetrahydro-5-hydroxy-6-methyl-2 <i>H</i> -pyran-2-yl]-15-hydroxy-2,10,12-trimethyl-1,6,8-trioxadispiro[4.1.5.3]-pentadec-13-en-9-yl]-2-hydroxy-1,3-dimethyl-4-oxoheptyl]-tetrahydro-5-methyl-2 <i>H</i> -pyran-2-acetic acid C ₄₂ H ₇₀ O ₁₁
sermetacinum sermetacin	<i>N</i> -[[1-(<i>p</i> -chlorobenzoyl)-5-methoxy-2-methylindol-3-yl]acetyl]-L-serine C ₂₂ H ₂₁ ClN ₂ O ₆
setazindolum setazindol	4'-chloro-2-[(methylamino)methyl]benzhydrol C ₁₅ H ₁₆ ClNO
silibininum silibinin	3,5,7-trihydroxy-2-[3-(4-hydroxy-3-methoxyphenyl)-2-(hydroxymethyl)-1,4-benzodioxan-6-yl]-4-chromanone C ₂₅ H ₂₂ O ₁₀
silicristinum silicristin	2-[2,3-dihydro-7-hydroxy-2-(4-hydroxy-3-methoxyphenyl)-3-(hydroxymethyl)-5-benzofuranyl]-3,5,7-trihydroxy-4-chromanone C ₂₅ H ₂₂ O ₁₀
silidianinum silidianin	(+)-2,3 α ,3 α ,7 α -tetrahydro-7 α -hydroxy-8(<i>R'</i>)-(4-hydroxy-3-methoxyphenyl)-4-(3 α ,5,7-trihydroxy-4-oxo-2 β -chromanyl)-3,6-methanobenzofuran 7(6 α <i>H</i>)-one C ₂₅ H ₂₂ O ₁₀
succisulfonum succisulfone	4'-sulfanilylsuccinanilic acid C ₁₆ H ₁₆ N ₂ O ₆ S
suclofenidum suclofenide	3-chloro-4-(phenylsuccinimido)benzenesulfonamide C ₁₆ H ₁₃ ClN ₂ O ₄ S
sufentanilum sufentanil	<i>N</i> -[4-(methoxymethyl)-1-[2-(2-thienyl)ethyl]-4-piperidyl]propionanilide C ₂₂ H ₃₀ N ₂ O ₂ S
sufosfamidum sufosfamide	2-[[3-(2-chloroethyl)tetrahydro-2 <i>H</i> -1,3,2-oxazaphosphorin-2-yl]amino]-ethanol methanesulfonate (ester) <i>P</i> -oxide C ₈ H ₁₈ ClN ₂ O ₅ PS
sulbenoxum sulbenox	(4,5,6,7-tetrahydro-7-oxobenzo[<i>b</i>]thien-4-yl)urea C ₉ H ₁₀ N ₂ O ₂ S
sulfamethizolum sulfamethizole	<i>N</i> ¹ -(5-methyl-1,3,4-thiadiazol-2-yl)sulfanilamide C ₉ H ₁₀ N ₄ O ₂ S ₂
sulfapyridinum sulfapyridine	<i>N</i> ¹ -2-pyridylsulfanilamide C ₁₁ H ₁₁ N ₃ O ₂ S
sulfiramum sulfiram	bis(diethylthiocarbamoyl) sulfide C ₁₀ H ₂₀ N ₂ S ₃
sulodexidum sulodexide	glucorono-2-amino-2-deoxyglucoglucon sulfate
sulprostonum sulprostone	(<i>Z</i>)-7-[(1 <i>R</i> ,2 <i>R</i> ,3 <i>R</i>)-3-hydroxy-2-[(<i>E</i>)-(3 <i>R</i>)-3-hydroxy-4-phenoxy-1-butenyl]-5-oxocyclopentyl]- <i>N</i> -(methylsulfonyl)-5-heptenamide C ₂₃ H ₃₁ NO ₇ S

teprotidum teprotide	5-oxo-L-prolyl-L-tryptophyl-L-prolyl-L-arginyl-L-prolyl-L-glutaminyl-L-isoleucyl-L-prolyl-L-proline $C_{53}H_{76}N_{14}O_{12}$
thényldiaminum thényldiamine	2-[[2-(dimethylamino)ethyl]-3-thenylamino]pyridine $C_{14}H_{19}N_3S$
thiazinamii metilsulfas thiazinamium metilsulfate	trimethyl(1-methyl-2-phenothiazin-10-ylethyl)ammonium methyl sulfate $C_{19}H_{26}N_2O_4S_2$
tiocilatum tiocilate	S-octyl thiobenzoate $C_{15}H_{22}OS$
tiodonii chloridum tiodonium chloride	(p-chlorophenyl)-2-thienyliodonium chloride $C_{10}H_7Cl_2IS$
tiopropaminum tiopropamine	3,3-diphenyl-3'-(phenylthio)dipropylamine $C_{24}H_{27}NS$
tipindolum tipindole	2-(dimethylamino)-ethyl 1,3,4,5-tetrahydrothiopyrano-[4,3-b]indole-8-carboxylate $C_{16}H_{20}N_2O_2S$
tixanoxum tixanox	7-(methylsulfinyl)-9-oxoxanthene-2-carboxylic acid $C_{15}H_{10}O_5S$
tocainidum tocainide	2-amino-2',6'-propionoxylidide $C_{11}H_{16}N_2O$
toliodii chloridum tollodium chloride	di-p-tolyliodonium chloride $C_{14}H_{14}ClI$
tolmesoxidum tolmesoxide	4,5-dimethoxy-2-(methylsulfinyl)toluene $C_{10}H_{14}O_3S$
treptilaminum treptilamine	2-[(α -tricyclo[2.2.1.0 ^{2,6}]hept-3-ylidenebenzyl)oxy]triethylamine $C_{20}H_{27}NO$
triamcinoloni benetonidum triamcinolone benetonide	9-fluoro-11 β ,16 α ,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with acetone 21-ester with N-benzoyl- β -alanine $C_{35}H_{42}FNO_8$
triamcinoloni furetonidum triamcinolone furetonide	9-fluoro-11 β ,16 α ,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with acetone, 21-(2-benzofurancarboxylate) $C_{33}H_{35}FO_8$
trifluridinum trifluridine	2'-deoxy-5-(trifluoromethyl)uridine $C_{10}H_{11}F_3N_2O_5$
triflusalum triflusal	α,α,α -trifluoro-2,4-cresotic acid acetate $C_{10}H_7F_3O_4$
trimetozinum trimetozine	4-(3,4,5-trimethoxybenzoyl)morpholine $C_{14}H_{19}NO_5$
ubisindinum ubisindine	2-[2-(diethylamino)ethyl]-3-phenylphthalimidine $C_{20}H_{24}N_2O$
uredofosum uredofos	diethyl [thio[o-[3-(p-tolylsulfonyl)ureido]phenyl]carbamoyl]-phosphoramidate $C_{19}H_{25}N_4O_6PS_2$
urefibratum urefibrate	glyoxyloylurea <i>aldehyde</i> -[bis(p-chlorophenyl) acetal] $C_{15}H_{12}Cl_2N_2O_4$
valofanum valofane	(3-allyltetrahydro-5-methyl-2-oxo-3-furoyl)urea $C_{10}H_{14}N_2O_4$
vetrabutinum vetrabutine	N,N-dimethyl- α -(3-phenylpropyl)veratrylamine $C_{20}H_{27}NO_2$
vinpocetinum vinpocetine	ethyl apovincamin-22-oate $C_{22}H_{26}N_2O_2$

xilobamum xilobam	1-(1-methyl-2-pyrrolidinylidene)-3-(2,6-xylyl)urea C ₁₄ H ₁₉ N ₃ O
ximoprofenum ximoprofen	<i>p</i> -(3-oxocyclohexyl)hydratropic acid oxime C ₁₆ H ₁₉ NO ₃
zlmelidinum zimelidine	(<i>Z</i>)-3-[1-(<i>p</i> -bromophenyl)-3-(dimethylamino)propenyl]pyridine C ₁₆ H ₁₇ BrN ₂
zomepiracum zomepirac	5-(<i>p</i> -chlorobenzoyl)-1,4-dimethylpyrrole-2-acetic acid C ₁₅ H ₁₄ ClNO ₃
zotepinum zotepine	2-[(8-chlorodibenzo[<i>b,f</i>]thiepin-10-yl)oxy]- <i>N,N</i> -dimethylethylamine C ₁₉ H ₁₈ ClNOS

AMENDMENTS TO PREVIOUS LISTS

Vol. 13 No. 12

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

p. 472 propylhexedrinum propylhexedrine	<i>Replace chemical name by the following:</i> (±)- <i>N</i> ,α-dimethylcyclohexaneethylamine
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Vol. 27 No. 10

Recommended International Nonproprietary Names (Rec. INN): List 13

p. 454 bromocriptinum bromocriptine carbidopum carbidopa	<i>Replace chemical name by the following:</i> 2-bromo-α-ergocryptine <i>Complete chemical name by preceding it by (-)-L-</i>
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Supplement to Vol. 30 No. 10

Recommended International Nonproprietary Names (Rec. INN): List 16

p. 8 tiquinamidum tiquinamide	<i>Delete brackets around methylthio in chemical name</i>
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