

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 18²

<i>Recommended International Nonproprietary Name (Latin, English)</i>	<i>Chemical Name or Description and Molecular Formula</i>
acecainidum acecainide	4'-[[2-(diethylamino)ethyl]carbamoyl]acetanilide C ₁₅ H ₂₃ N ₃ O ₂
acidum ioprocemicum ioprocemic acid	3-(<i>N</i> -ethylacetamido)-2,4,6-triiodohydrocinnamic acid C ₁₃ H ₁₄ I ₃ NO ₃
acidum spaglumicum spaglumic acid	<i>N</i> -(<i>N</i> -acetyl-L-β-aspartyl)-L-glutamic acid C ₁₁ H ₁₆ N ₂ O ₈
alaproclatum alaproclate	DL-alanine <i>p</i> -chloro-α,α-dimethylphenethyl ester C ₁₃ H ₁₈ ClNO ₂
alimadolum alimadol	<i>N</i> -(3-methoxy-3,3-diphenylpropyl)aliylamine C ₁₉ H ₂₃ NO
alprostadilum alprostadiol	(1 <i>R</i> ,2 <i>R</i> ,3 <i>R</i>)-3-hydroxy-2-[(<i>E</i>)-(3 <i>S</i>)-3-hydroxy-1-octenyl]-5-oxocyclopentaneheptanoic acid C ₂₀ H ₃₄ O ₅
amantanil bromidum amantanium bromide	decyl(2-hydroxyethyl)dimethylammonium bromide 1-adamantanecarboxylate C ₂₅ H ₄₆ BrNO ₂
ambruticinum ambruticin	6-[2-[2-[5-(6-ethyl-3,6-dihydro-5-methyl-2 <i>H</i> -pyran-2-yl)-3-methyl-1,4-hexadienyl]-3-methylcyclopropyl]vinyl]tetrahydro-4,5-dihydroxy-2 <i>H</i> -pyran-2-acetic acid C ₂₈ H ₄₂ O ₆
amfenacum amfenac	(2-amino-3-benzoylphenyl)acetic acid C ₁₅ H ₁₃ NO ₃
amrinonum amrinone	5-amino(3,4'-bipyridin)-6(1 <i>H</i>)-one C ₁₀ H ₉ N ₃ O
ancrodum ancrod	an active principle obtained from the venom of the Malayan pit-viper <i>Agkistrodon rhodostoma</i> , acting specifically on fibrinogen
arfendazamum arfendazam	ethyl 7-chloro-2,3,4,5-tetrahydro-4-oxo-5-phenyl-1 <i>H</i> -1,5-benzodiazepine-1-carboxylate C ₁₈ H ₁₇ ClN ₂ O ₃

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; 1977 Vol. 31, No. 10.

arprinocidum arprinocid	9-(2-chloro-6-fluorobenzyl)adenine $C_{12}H_9ClFN_5$
azanidazolium azanidazole	(E)-2-amino-4-[2-(1-methyl-5-nitroimidazol-2-yl)vinyl]pyrimidine $C_{10}H_{10}N_6O_2$
azepexolum azepexole	2-amino-6-ethyl-5,6,7,8-tetrahydro-4H-oxazolo[4,5-d']azepine $C_9H_{15}N_3O$
befunololum befunolol	7-[2-hydroxy-3-(isopropylamino)propoxy]-2-benzofuranyl methyl ketone $C_{16}H_{21}NO_4$
berthromycinum berthromycin	erythromycin B ; 12-deoxyerythromycin $C_{37}H_{67}NO_{12}$
betacarotenum betacarotene	β,β -carotene or (all-E)-3,7,12,16-tetramethyl-1,18-bis(2,6,6-trimethyl-1-cyclohexen-1-yl)-1,3,5,7,9,11,13,15,17-octadecanonaene $C_{40}H_{56}$
bicozamycinum bicozamycin	bicyclomycin or (1R*,6S*)-6-hydroxy-5-methylene-1-[(1R*,2R*)-1,2,3-trihydroxy-2-methylpropyl]-2-oxa-7,9-diazabicyclo[4.2.2]decane-8,10-dione $C_{12}H_{18}N_2O_7$
bithionolum bithionol	2,2'-thiobis(4,6-dichlorophenol) $C_{12}H_6Cl_4O_2S$
buzefolacum buzefolac	1-isobutyl-3,4-diphenylpyrazole-5-acetic acid $C_{21}H_{22}N_2O_2$
butacalium butacaine	3-dibutylaminopropyl p-aminobenzoate $C_{18}H_{30}N_2O_2$
butafosfanum butafosfan	[1-(butylamino)-1-methylethyl]phosphinic acid $C_7H_{16}NO_2P$
butalaminum butalamine	5-[[2-(dibutylamino)ethyl]amino]-3-phenyl-1,2,4-oxadiazole $C_{18}H_{28}N_4O$
butamiratum butamirate	2-[2-(diethylamino)ethoxy]ethyl 2-phenylbutyrate $C_{18}H_{29}NO_3$
butocrololum butocrolol	9-[3-(tert-butylamino)-2-hydroxypropoxy]-4-hydroxy-7-methyl-5H-furo-[3,2-g][1]benzopyran-5-one $C_{19}H_{23}NO_6$
calcitriolum calcitriol	(5Z,7E)-9,10-secocholesta-5,7,10(19)-triene-1 α ,3 β ,25-triol $C_{27}H_{44}O_3$
captoprilum captopril	1-[(2S)-3-mercapto-2-methylpropionyl]-L-proline $C_9H_{15}NO_3S$
carbomycinum carbomycin	an antibiotic obtained from cultures of <i>Streptomyces halstedii</i> , or the same substance produced by any other means
carburazepamum carburazepam	7-chloro-1,2,3,5-tetrahydro-1-methyl-2-oxo-5-phenyl-4H-1,4-benzodiazepine-4-carboxamide $C_{17}H_{16}ClN_3O_2$
carfentanilum carfentanil	methyl 1-phenethyl-4-(N-phenylpropionamido)isonipecotate $C_{24}H_{30}N_2O_3$
cefazedonum cefazedone	(6R,7R)-7-[2-(3,5-dichloro-4-oxo-1(4H)-pyridyl)acetamido]-3-[[5-methyl-1,3,4-thiadiazol-2-yl]thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]-oct-2-ene-2-carboxylic acid $C_{18}H_{15}Cl_2N_5O_5S_3$

cefmetazolum cefmetazole	(6 <i>R</i> ,7 <i>S</i>)-7-[2-[(cyanomethyl)thio]acetamido]-7-methoxy-3-[[1-(methyl-1 <i>H</i> -tetrazol-5-yl)thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid C ₁₅ H ₁₇ N ₇ O ₅ S ₃
ceforanidum ceforanide	(6 <i>R</i> ,7 <i>R</i>)-7-[2-(α -amino- <i>o</i> -tolyl)acetamido]-3-[[1-(carboxymethyl)-1 <i>H</i> -tetrazol-5-yl]thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid C ₂₀ H ₂₁ N ₇ O ₆ S ₂
cefsulodin cefsulodin	4-carbamoyl-1-[[6 <i>R</i> ,7 <i>R</i>]-2-carboxy-8-oxo-7-[(2 <i>R</i>)-2-phenyl-2-sulfoacetamido]-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]pyridinium hydroxide, inner salt C ₂₂ H ₂₀ N ₄ O ₆ S ₂
cefsumidum cefsumide	(6 <i>R</i> ,7 <i>R</i>)-7-[(2 <i>R</i>)-2-amino-2-(<i>m</i> -methanesulfonamidophenyl)acetamido]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid C ₁₇ H ₂₀ N ₄ O ₆ S ₂
cetabenum cetaben	<i>p</i> -(hexadecylamino)benzoic acid C ₂₃ H ₃₉ N ₂ O ₂
cetocyclinum cetocycline	2-acetyl-4- α -amino-4 α ,12 α -dihydro-3,10,11,12 α -tetrahydroxy-6,9-dimethyl-1,12(4 <i>H</i> ,5 <i>H</i>)-naphthacenedione C ₂₂ H ₂₁ N ₂ O ₇
cideferronum cideferron	macromolecular complex of ferric hydroxide with dextrin and citric acid
cinecromenum cinecromen	3,4,5-trimethoxycinnamic acid ester with 3-(2-hydroxy-3-morpholinopropyl)-4-methyl-7-(4-morpholinecarboxamido)coumarin C ₃₄ H ₄₁ N ₃ O ₁₀
cinnarizini cinnarizine	2-(<i>p</i> -chlorophenoxy)-2-methylpropionic acid compound with (<i>E</i>)-1-cinnamyl-4-(diphenylmethyl)piperazine (1:1) C ₂₆ H ₂₈ N ₂ ·C ₁₀ H ₁₁ ClO ₃ or C ₃₆ H ₃₉ ClN ₂ O ₃
ciprocinnonidum ciprocinnonide	6 α ,9-difluoro-11 β ,16 α ,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with acetone, 21-cyclopropanecarboxylate C ₂₈ H ₃₄ F ₂ O ₇
ciproquazonum ciproquazone	1-(cyclopropylmethyl)-6-methoxy-4-phenyl-2(1 <i>H</i>)-quinazolinone C ₁₉ H ₁₈ N ₂ O ₂
ciramadolum ciramadol	(-)-(1 <i>R</i> *,2 <i>R</i> *)-2-[(<i>R</i> *)- α -(dimethylamino)- <i>m</i> -hydroxybenzyl]cyclohexanol C ₁₅ H ₂₃ N ₂ O ₂
cirazolinum cirazoline	2-[(<i>o</i> -cyclopropylphenoxy)methyl]-2-imidazoline C ₁₃ H ₁₆ N ₂ O
cisplatinum cisplatin	<i>cis</i> -diamminedichloroplatinum Cl ₂ H ₆ N ₂ Pt
citolonum citolone	<i>N</i> -(tetrahydro-2-oxo-3-thienyl)acetamide C ₈ H ₉ N ₂ O ₂ S
clidanacum clidanac	6-chloro-5-cyclohexyl-1-indancarboxylic acid C ₁₆ H ₁₉ ClO ₂
climbazolum climbazole	1-(<i>p</i> -chlorophenoxy)-1-imidazol-1-yl-3,3-dimethyl-2-butanone C ₁₅ H ₁₇ ClN ₂ O ₂
clinoibratum clinoibrate	2,2'-[cyclohexylidenebis(<i>p</i> -phenyleneoxy)]bis[2-methylbutyric acid] C ₂₈ H ₃₆ O ₆
clioquinolum clioquinol	5-chloro-7-iodo-8-quinolinol C ₉ H ₅ ClINO
coumafosum coumafos	<i>O</i> -3-chloro-4-methyl-7-coumarinyl <i>O,O</i> -diethyl phosphorothioate C ₁₄ H ₁₆ ClO ₅ PS

cyamemazinium cyamemazine	10-[3-(dimethylamino)-2-methylpropyl]phenothiazine-2-carbonitrile $C_{19}H_{21}N_3S$
cyclopentolatum cyclopentolate	2-(dimethylamino)ethyl 1-hydroxy- α -phenylcyclopentaneacetate $C_{17}H_{25}NO_3$
dazolicinum dazolicine	8-chloro-3,4,5,6-tetrahydro-6-[(1-isopropyl-2-imidazolin-2-yl)methyl]- 2 <i>H</i> -1,6-benzothiazocine $C_{17}H_{24}ClN_3S$
deflazacortum deflazacort	11 β ,21-dihydroxy-2'-methyl-5' β <i>H</i> -pregna-1,4-dieno[17,16- <i>d'</i>]oxazole- 3,20-dione 21-acetate $C_{25}H_{31}NO_6$
depraminum depramine	5-[3-(dimethylamino)propyl]-5 <i>H</i> -dibenz[<i>b,f</i>]azepine $C_{19}H_{22}N_2$
desogestrelum desogestrel	13-ethyl-11-methylene-18,19-dinor-17 α -pregn-4-en-20-yn-17-ol $C_{22}H_{30}O$
diclofurimum diclofurime	2,3-dichloro-4-methoxyphenyl 2-furyl ketone (<i>E</i>)- <i>O</i> -[2-(diethylamino)- ethyl]oxime $C_{18}H_{22}Cl_2N_2O_3$
diethazinum diethazine	10-(2-diethylaminoethyl)phenothiazine $C_{18}H_{22}N_2S$
diprobutinum diprobutine	1,1-dipropylbutylamine $C_{10}H_{23}N$
dithranolum dithranol	1,8,9-anthracetriol $C_{14}H_{10}O_3$
dosulepinum dosulepin	<i>N,N</i> -dimethyldibenz[<i>b,e</i>]thiepin- $\Delta^{11(6H)}$ - <i>y</i> -propylamine $C_{19}H_{21}NS$
dupracetamum dupracetam	1,2-bis[(2-oxo-1-pyrrolidinyl)acetyl]hydrazine $C_{12}H_{18}N_4O_4$
endralazinum endralazine	6-benzoyl-3-hydrazino-5,6,7,8-tetrahydropyrido[4,3- <i>c</i>]pyridazine $C_{14}H_{15}N_5O$
eniclobratum eniclobrate	3-pyridylmethyl (\pm)-2-[[α -(<i>p</i> -chlorophenyl)- <i>p</i> -tolyl]oxy]-2-methylbutyrate $C_{24}H_{24}ClNO_3$
ethchlorvynolum ethchlorvynol	1-chloro-3-ethyl-1-penten-4-yn-3-ol C_7H_9ClO
etofyllini clofibras etofylline clofibrate	2-(<i>p</i> -chlorophenoxy)-2-methylpropionic acid ester with 7-(2-hydroxyethyl)- theophylline $C_{19}H_{21}ClN_4O_5$
febantelum febantel	dimethyl [[2-(2-methoxyacetamido)-4-(phenylthio)phenyl]imidocarbonyl]- dicarbamate $C_{20}H_{22}N_4O_6S$
flucindolum flucindole	3-(dimethylamino)-6,8-difluoro-1,2,3,4-tetrahydrocarbazole $C_{14}H_{16}F_2N_2$
fludalaninum fludalanine	3-fluoro-D-alanine-2- <i>d'</i> $C_3H_5DFNO_2$
flumecinum flumecinol	α -ethyl-3-(trifluoromethyl)benzhydrol $C_{16}H_{15}F_3O$
flurocitabinum flurocitabine	(2 <i>R</i> ,3 <i>R</i> ,3 <i>aS</i> ,9 <i>aR</i>)-7-fluoro-2,3,3 <i>a</i> ,9 <i>a</i> -tetrahydro-3-hydroxy-6-imino-6 <i>H</i> -furo- [2',3':4,5]oxazolo[3,2- <i>a</i>]pyrimidine-2-methanol $C_9H_{10}FN_3O_4$
fluzoperinum fluzoperine	5-[2-(diethylamino)ethyl]-4-(<i>p</i> -fluorophenyl)-4-oxazolin-2-one $C_{15}H_{19}FN_2O_2$

fomocainum fomocaine	1- [3- [4- (phenoxyethyl) phenyl] propyl] morpholine C ₂₀ H ₂₅ NO ₂
fuprazolum fuprazole	3- [2- [(4-cinnamyl-1-piperazinyl) methyl] -1-benzimidazolyl] -1- (2-furyl) -1-propanone C ₂₈ H ₃₀ N ₄ O ₂
gallopamilum gallopamil	5- [(3,4-dimethoxyphenethyl) methylamino] -2-isopropyl-2- (3,4,5-trimethoxyphenyl) valeronitrile C ₂₈ H ₄₀ N ₂ O ₅
gepefrinum gepefrine	(+)-(S)- <i>m</i> - (2-aminopropyl) phenol C ₉ H ₁₃ NO
glucagonum glucagon	polypeptide consisting of 29 amino acid residues and having a minimum molecular weight of 3842
guafecainolum guafecainol	1- [2- (diethylamino) ethoxy] -3- (o-methoxyphenoxy) -2-propanol C ₁₆ H ₂₇ NO ₄
guanacilinum guanaciline	[2- (3,6-dihydro-4-methyl-1 (2 <i>H</i>)-pyridyl) ethyl] guanidine C ₉ H ₁₆ N ₄
halopemidum halopemide	<i>N</i> - [2- [4- (5-chloro-2-oxo-1-benzimidazolyl) piperidino] ethyl] - <i>p</i> -fluoro-benzamide C ₂₁ H ₂₂ ClFN ₄ O ₂
haloxazolamum haloxazolam	10-bromo-11b- (o-fluorophenyl) -2,3,7,11b-tetrahydrooxazolo [3,2- <i>d'</i>] [1,4]-benzodiazepin-6(5 <i>H</i>)-one C ₁₇ H ₁₄ BrFN ₂ O ₂
indobufenum indobufen	(±)-2- [<i>p</i> - (1-oxo-2-isoindolyl) phenyl] butyric acid C ₁₈ H ₁₇ NO ₃
iodocholesterolum (¹³¹ I) iodocholesterol (¹³¹ I)	19-iodo- ¹³¹ I/cholest-5-en-3β-ol C ₂₇ H ₄₅ ¹³¹ IO
iosulamidum iosulamide	3,3'- [sulfonylbis (ethylenecarbonylimino)] bis [5- (N-ethylacetamido) -2,4,6-triiodobenzoic acid] C ₂₈ H ₂₈ I ₆ N ₄ O ₁₀ S
iprazochromum iprazochrome	3-hydroxy-1-isopropyl-5,6-indolinedione 5-semicarbazone C ₁₂ H ₁₆ N ₄ O ₃
iprocrololum iprocrolol	4-hydroxy-9- [2-hydroxy-3- (isopropylamino) propoxy] -7-methyl-5 <i>H</i> -furo [3,2- <i>g'</i>] [1] benzopyran-5-one C ₁₈ H ₂₁ NO ₆
isobutamenum isobutamben	isobutyl <i>p</i> -aminobenzoate C ₁₁ H ₁₅ NO ₂
isofezolacum isofezolac	1,3,4-triphenylpyrazole-5-acetic acid C ₂₃ H ₁₈ N ₂ O ₂
lexofenacum lexofenac	[<i>p</i> - (3-oxo-1-cyclohexen-1-yl) phenyl] acetic acid C ₁₄ H ₁₄ O ₃
lidofeninum lidofenin	[(2,6-xylylcarbonyl) methyl] imino] diacetic acid C ₁₄ H ₁₈ N ₂ O ₅
lobelinum lobeline	2- [6- (β-hydroxyphenethyl) -1-methyl-2-piperidyl] acetophenone C ₂₂ H ₂₇ NO ₂
lodoxamidum lodoxamide	<i>N,N'</i> - (2-chloro-5-cyano- <i>m</i> -phenylene) dioxamic acid C ₁₁ H ₆ ClN ₃ O ₆
lonidaminum lonidamine	1- (2,4-dichlorobenzyl) -1 <i>H</i> -indazole-3-carboxylic acid C ₁₅ H ₁₀ Cl ₂ N ₂ O ₂

lorcainidum lorcainide	4'-chloro- <i>N</i> -(1-isopropyl-4-piperidyl)-2-phenylacetanilide $C_{22}H_{27}ClN_2O$
lormetazepamum lormetazepam	7-chloro-5-(<i>o</i> -chlorophenyl)-1,3-dihydro-3-hydroxy-1-methyl-2 <i>H</i> -1,4-benzodiazepin-2-one $C_{16}H_{12}Cl_2N_2O_2$
mafenidum mafenide	α -amino- <i>p</i> -toluenesulfonamide $C_7H_{10}N_2O_2S$
mannitoli hexanitrates mannitol hexantrate	hexantrate of D-mannitol $C_6H_{12}N_6O_{18}$
mechlutolum mechlutol	3-hydroxy-3-methylglutaric acid $C_6H_{10}O_5$
meobentinum meobentine	1-(<i>p</i> -methoxybenzyl)-2,3-dimethylguanidine $C_{11}H_{17}N_3O$
meproschillarum meproschillarin	3 β -[(6-deoxy-4- <i>O</i> -methyl- α -L-mannopyranosyl)oxy]-14-hydroxybuta-4,20,22-trienolide $C_{31}H_{44}O_8$
metazidum metazide	isonicotinic acid 2,2'-methylenedihydrazide $C_{13}H_{14}N_6O_2$
metazocinum metazocine	2'-hydroxy-2,5,9-trimethyl-6,7-benzomorphan <i>or</i> 1,2,3,4,5,6-hexahydro-3,6,11-trimethyl-2,6-methano-3-benzazocin-8-ol $C_{15}H_{21}NO$
metipranololum metipranolol	1-(4-hydroxy-2,3,5-trimethylphenoxy)-3-(isopropylamino)-2-propanol 4-acetate $C_{17}H_{27}NO_4$
minaprinum minaprine	4-[2-[(4-methyl-6-phenyl-3-pyridazinyl)amino]ethyl]morpholine $C_{17}H_{22}N_4O$
minaxololum minaxolone	11 α -(dimethylamino)-2 β -ethoxy-3 α -hydroxy-5 α -pregnan-20-one $C_{25}H_{43}NO_3$
mindoperonum mindoperone	4'-fluoro-4-[4-(6-methoxy-2-methylindol-3-yl)piperidino]butyrophenone $C_{25}H_{29}FN_2O_2$
misonidazolum misonidazole	α -(methoxymethyl)-2-nitroimidazole-1-ethanol $C_7H_{11}N_3O_4$
mociprazinum mociprazine	α -[[(1-ethynylcyclohexyl)oxy]methyl]-4-(<i>o</i> -methoxyphenyl)-1-piperazine ethanol $C_{22}H_{32}N_2O_3$
monalazonum dinatrium monalazone disodium	<i>p</i> -(chlorosulfamoyl)benzoic acid disodium salt $C_7H_4ClNNa_2O_4S$
mopidamolum mopidamol	2,2',2'',2'''-[(4-piperidinopyrimido[5,4- <i>d</i>]pyrimidine-2,6-diyl)dinitrilo]-tetraethanol $C_{19}H_{31}N_7O_4$
motretinidum motretinide	(<i>all-E</i>)- <i>N</i> -ethyl-9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-2,4,6,8-nonatetraenamide $C_{23}H_{31}NO_2$
moxazocinum moxazocine	(-)-(2 <i>R</i> ,6 <i>S</i> ,11 <i>R</i>)-3-(cyclopropylmethyl)-1,2,3,4,5,6-hexahydro-11-methoxy-6-methyl-2,6-methano-3-benzazocin-8-ol $C_{18}H_{25}NO_2$
nafetololum nafetolol	1-(<i>tert</i> -butylamino)-3-[(1,2,3,4-tetrahydro-8-hydroxy-1,4-ethanonaphthalen-5-yl)oxy]-2-propanol $C_{19}H_{25}NO_3$
nebidrazinum nebidrazine	2,6-dichlorobenzaldehyde (4-amino-4 <i>H</i> -1,2,4-triazol-3-yl)hydrazone $C_9H_6Cl_2N_6$

neomycinum neomycin	an antibiotic obtained from cultures of <i>Streptomyces fradiae</i> , or the same substance produced by any other means
niludipinum niludipine	bis(2-propoxyethyl) 1,4-dihydro-2,6-dimethyl-4-(<i>m</i> -nitrophenyl)-3,5-pyridinedicarboxylate C ₂₅ H ₃₄ N ₂ O ₈
nisbuterolum nisbuterol	(±)-α-[(<i>tert</i> -butylamino)methyl]-3,4-dihydroxybenzyl alcohol 3-acetate 4- <i>p</i> -anisate C ₂₂ H ₂₇ NO ₆
nordazepamum nordazepam	7-chloro-1,3-dihydro-5-phenyl-2 <i>H</i> -1,4-benzodiazepin-2-one C ₁₅ H ₁₁ ClN ₂ O
norietimolum norietimol	<i>o</i> -(<i>N</i> -benzylformimidoyl)phenol C ₁₄ H ₁₃ NO
noscipinum noscipine	5-(6,7-dimethoxyphthalidyl)-5,6,7,8-tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5- <i>g</i>]isoquinoline C ₂₂ H ₂₃ NO ₇
nufenoxolum nufenoxole	2-[3-(5-methyl-1,3,4-oxadiazol-2-yl)-3,3-diphenylpropyl]-2-azabicyclo-[2.2.2]octane C ₂₅ H ₂₉ N ₃ O
orpanoxinum orpanoxin	5-(<i>p</i> -chlorophenyl)-2-furanhydracrylic acid C ₁₃ H ₁₁ ClO ₄
otilonii bromidum otilonium bromide	diethyl(2-hydroxyethyl)methylammonium bromide <i>p</i> -[<i>o</i> -(octyloxy)-benzamido]benzoate C ₂₈ H ₄₃ BrN ₂ O ₄
oxarbazolum oxarbazole	9-benzoyl-1,2,3,4-tetrahydro-6-methoxycarbazole-3-carboxylic acid C ₂₁ H ₁₉ NO ₄
oxatomidum oxatomide	1-[3-[4-(diphenylmethyl)-1-piperazinyl]propyl]-2-benzimidazolinone C ₂₇ H ₃₀ N ₄ O
oxdralazinium oxdralazine	2,2'-[(6-hydrazino-3-pyridazinyl)imino]diethanol C ₈ H ₁₅ N ₅ O ₂
oxitriptanum oxitriptan	5-hydroxy-L-tryptophan C ₁₁ H ₁₂ N ₂ O ₃
parconazolum parconazole	<i>cis</i> -1-[[2-(2,4-dichlorophenyl)-4-[(2-propynyloxy)methyl]-1,3-dioxolan-2-yl]methyl]imidazole C ₁₇ H ₁₆ Cl ₂ N ₂ O ₃
pareptidum pareptide	<i>N</i> -[D-1-[(carbamoylmethyl)carbamoyl]-3-methylbutyl]- <i>N</i> -methyl-L-2-pyrrolidinecarboxamide C ₁₄ H ₂₆ N ₄ O ₃
pargeverinum pargeverine	2-(dimethylamino)ethyl diphenyl(2-propynyloxy)acetate C ₂₁ H ₂₃ NO ₃
paroxetinum paroxetine	(-)- <i>trans</i> -4-(<i>p</i> -fluorophenyl)-3-[[3,4-(methylenedioxy)phenoxy]methyl]-piperidine C ₁₉ H ₂₀ FNO ₃
pentafluranolum pentafluranol	4,4'-[(1 <i>R</i> ,2 <i>S</i>)-1-methyl-2-(2,2,2-trifluoroethyl)ethylene]bis(2-fluorophenol) C ₁₇ H ₁₅ F ₅ O ₂
pentostatium pentostatin	(<i>R</i>)-3-(2-deoxy-β-D- <i>erythro</i> -pentofuranosyl)-3,6,7,8-tetrahydroimidazo-[4,5- <i>d'</i>][1,3]diazepin-8-ol C ₁₁ H ₁₆ N ₄ O ₄
phanquinonum phanquinone	4,7-phenanthroline-5,6-dione C ₁₂ H ₆ N ₂ O ₂

phendimetrazinum phendimetrazine	(+)-3,4-dimethyl-2-phenylmorpholine C ₁₂ H ₁₇ NO
phenmetrazinum phenmetrazine	3-methyl-2-phenylmorpholine C ₁₁ H ₁₅ NO
piperacillinum piperacillin	(2S,5R,6R)-6-[(R)-2-(4-ethyl-2,3-dioxo-1-piperazinecarboxamido)-2-phenylacetamido]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]-heptane-2-carboxylic acid C ₂₃ H ₂₇ N ₅ O ₇ S
pipofezinum pipofezine	5-methyl-3-(4-methyl-1-piperazinyl)-5H-pyridazino[3,4-b][1,4]benzoxazine C ₁₆ H ₁₅ N ₅ O
pirolatum pirolate	ethyl 3,4-dihydro-7,8-dimethoxy-4-oxopyrimido[4,5-b]quinoline-2-carboxylate C ₁₆ H ₁₅ N ₃ O ₅
plafibrinum plafibrine	1-[2-(p-chlorophenoxy)-2-methylpropionyl]-3-(morpholinomethyl)urea C ₁₆ H ₂₂ ClN ₃ O ₄
pranoprofenum pranoprofen	α -methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid C ₁₅ H ₁₃ NO ₃
prasteronum prasterone	3 β -hydroxyandrost-5-en-17-one C ₁₉ H ₂₈ O ₂
prenalaterolum prenalteroïl	(-)-(S)-1-(p-hydroxyphenoxy)-3-(isopropylamino)-2-propanol C ₁₂ H ₁₉ NO ₃
procinonidum procinonide	6 α ,9-difluoro-11 β ,16 α ,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with acetone, 21-propionate C ₂₇ H ₃₄ F ₂ O ₇
promegestonum promegestone	17 α -methyl-17-propionylestra-4,9-dien-3-one C ₂₂ H ₃₀ O ₂
protiofatum protiofate	dipropyl 3,4-dihydroxy-2,5-thiophenedicarboxylate C ₁₂ H ₁₆ O ₆ S
proxicromilum proxicromil	6,7,8,9-tetrahydro-5-hydroxy-4-oxo-10-propyl-4H-naphtho[2,3-b]pyran-2-carboxylic acid C ₁₇ H ₁₈ O ₅
pyrocainum pyrocaine	1-pyrrolidineaceto-2',6'-xylylide C ₁₄ H ₂₀ N ₂ O
racemetirosinum racemetirosine	(\pm)- α -methyl-DL-tyrosine C ₁₀ H ₁₃ NO ₃
ramnodiginum ramnodigin	14-hydroxy-3 β -(2,3,6-trideoxy- α -L-erythro-hexopyranosyl)oxy]-5 β -card-20(22)-enolide C ₂₉ H ₄₄ O ₆
razinodilum razinodil	3,4,5-trimethoxybenzoic acid ester with 3-(2-hydroxy-3-morpholinopropyl)-6,7,8-trimethoxy-1,2,3-benzotriazin-4(3H)-one C ₂₇ H ₃₄ N ₄ O ₁₀
rimexolonum rimexolone	11 β -hydroxy-16 α ,17 α -dimethyl-17-propionylandrosta-1,4-dien-3-one C ₂₄ H ₃₄ O ₃
rolipramum rolipram	4-[3-(cyclopentyloxy)-4-methoxyphenyl]-2-pyrrolidinone C ₁₆ H ₂₁ NO ₃
secoverinum secoverine	1-cyclohexyl-4-[ethyl(p-methoxy- α -methylphenethyl)amino]-1-butanone C ₂₂ H ₃₅ NO ₂
secretinum secretin	hormone of the duodenal mucosa which activates the pancreatic secretion and lowers the blood sugar level

selegilinum selegiline	(<i>R</i>)-(-)- <i>N</i> , α -dimethyl- <i>N</i> -2-propynylphenethylamine C ₁₃ H ₁₇ N
sinefunginum sinefungin	6,9-diamino-1-(6-amino-9 <i>H</i> -purin-9-yl)-1,5,6,7,8,9-hexadeoxy- β -D-ribo- decofuranuronic acid C ₁₅ H ₂₃ N ₇ O ₅
spiramidum spiramide	8-[3-(4-fluorophenoxy)propyl]-1-phenyl-1,3,8-triazaspiro[4.5]decan-4-one C ₂₂ H ₂₆ FN ₃ O ₂
strinolinum strinoline	<i>as</i> -triazino[5,6- <i>c</i>]quinoline C ₁₀ H ₆ N ₄
sulfatroxazolum sulfatroxazole	<i>N</i> '-(4,5-dimethyl-3-isoxazoly) sulfanilamide C ₁₁ H ₁₃ N ₃ O ₃ S
talopramum talopram	<i>N</i> ,3,3-trimethyl-1-phenyl-1-phthalanpropylamine C ₂₀ H ₂₅ NO
terbucromilum terbucromil	6,8-di- <i>tert</i> -butyl-4-oxo-4 <i>H</i> -1-benzopyran-2-carboxylic acid C ₁₈ H ₂₂ O ₄
terfluranolum terfluranol	4,4'-[(1 <i>R</i> ,2 <i>S</i>)-1-methyl-2-(2,2,2-trifluoroethyl)ethylene]diphenol C ₁₇ H ₁₇ F ₃ O ₂
thiaminum thiamine	3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4- methylthiazolium chloride C ₁₂ H ₁₇ CIN ₄ OS
thyrotrophinum thyrotrophin	thyrotrophic hormone
tienopraminum tienopramine	4-[3-(dimethylamino)propyl]-4 <i>H</i> -thieno[3,2- <i>b</i>][1]benzazepine C ₁₇ H ₂₀ N ₂ S
tioxaprofenum tioxaprofen	2-[[4,5-bis(<i>p</i> -chlorophenyl)-2-oxazolyl]thio]propionic acid C ₁₈ H ₁₃ Cl ₂ NO ₃ S
tioxidazolum tioxidazole	methyl 6-propoxy-2-benzothiazolecarbamate C ₁₂ H ₁₄ N ₂ O ₃ S
tiratricolum tiratricol	[4-(4-hydroxy-3-iodophenoxy)-3,5-diiodophenyl]acetic acid C ₁₄ H ₉ I ₃ O ₄
tixocortolum tixocortol	11 β ,17-dihydroxy-21-mercaptopregn-4-ene-3,20-dione C ₂₁ H ₃₀ O ₄ S
tocofenoxatum tocofenoxate	<i>all-rac</i> -2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-6-chromanyl (<i>p</i> -chlorophenoxy)acetate C ₃₇ H ₅₅ ClO ₄
topteronom topteron	17 β -hydroxy-17-propylandroster-4-en-3-one C ₂₂ H ₃₄ O ₂
trepibutonum trepibutone	3-(2,4,5-triethoxybenzoyl)propionic acid C ₁₆ H ₂₂ O ₆
trepipamum trepipam	(+)-2,3,4,5-tetrahydro-7,8-dimethoxy-3-methyl-1-phenyl-1 <i>H</i> -3-benzazepine C ₁₉ H ₂₃ NO ₂
trimipraminum trimipramine	5-[3-(dimethylamino)-2-methylpropyl]-10,11-dihydro-5 <i>H</i> -dibenz[<i>b,f</i>]- azepine C ₂₀ H ₂₆ N ₂
trizoximum trizoxime	5-benzyl-4,5-dihydro-4-oxo-1 <i>H</i> -1,2,5-benzotriazepine-3-carboxamidoxime C ₁₆ H ₁₅ N ₅ O ₂
valdipromidum valdipromide	2,2-dipropylvaleramide C ₁₁ H ₂₃ NO

valpromidum valpromide	2-propylvaleramide $C_8H_{17}NO$
vinformidum vinformide	<i>N</i> -demethyl- <i>N</i> -formylleucosine $C_{46}H_{64}N_4O_{10}$
zidometacinum zidometacin	1-(<i>p</i> -azidobenzoyl)-5-methoxy-2-methylindole-3-acetic acid $C_{19}H_{16}N_4O_4$
zinterolum zinterol	5'-[2-[(α,α -dimethylphenethyl)amino]-1-hydroxyethyl]-2'-hydroxymethanesulfonamide $C_{19}H_{26}N_2O_4S$
zoloperonum zoloperone	4-(<i>p</i> -fluorophenyl)-5-[2-[4-(<i>o</i> -methoxyphenyl)-1-piperazinyl]ethyl]-4-oxazolin-2-one $C_{22}H_{24}FN_3O_3$
zopiclonum zopiclone	4-methyl-1-piperazinecarboxylic acid ester with 6-(5-chloro-2-pyridyl)-6,7-dihydro-7-hydroxy-5 <i>H</i> -pyrrolo[3,4- <i>b</i>]pyrazin-5-one $C_{17}H_{17}ClN_6O_3$
zorubicinum zorubicin	benzoic acid hydrazide, 3-hydrazone with daunorubicin $C_{34}H_{35}N_3O_{10}$

AMENDMENTS TO PREVIOUS LISTS

Vol. 23, No. 10

Recommended International Nonproprietary Names (Rec. INN): List 9

- | | | |
|--------|------------------------|--|
| p. 492 | clonidine
clonidine | <i>Replace chemical name by the following:</i>
2-[(2,6-dichlorophenyl)imino]imidazolidine |
|--------|------------------------|--|

Vol. 24, No. 11

Recommended International Nonproprietary Names (Rec. INN): List 10

- | | | |
|--------|--------------------------|--|
| p. 528 | colestipol
colestipol | <i>Replace the description by:</i> copolymer of diethylenetriamine and 1-chloro-2,3-epoxypropane |
|--------|--------------------------|--|

Vol. 25, No. 10

Recommended International Nonproprietary Names (Rec. INN): List 11

- | | | |
|--------|--|--|
| p. 480 | minoxidilum
minoxidil | <i>Replace chemical name by the following:</i>
2,4-diamino-6-piperidinopyrimidine 3-oxide |
| p. 481 | penbutololum
penbutolol | Complete chemical name by preceding it by (—)— |
| p. 483 | <i>delete the following entry</i>
tofisolinum
tofisoline | |

Vol. 26, No. 10

Recommended International Nonproprietary Names (Rec. INN): List 12

- | | | |
|--------|---|--|
| p. 476 | <i>delete the following entry</i>
acidum fenofibricum
fenofibric acid | |
|--------|---|--|

Supplement to Vol. 29, No. 10

Recommended International Nonproprietary Names (Rec. INN): List 15

- | | | |
|------|--|--|
| p. 3 | dextranomerum
dextranomer | <i>Replace chemical name by the following:</i> dextran 2,3-dihydroxypropyl 2-hydroxy-1,3-propanediyl ether |
| p. 7 | <i>delete</i>
polidexidum
polidexide

<i>insert</i>
polidexidi sulfas
polidexide sulfate |

dextran 2-(diethylamino)ethyl 2-[[2-(diethylamino)ethyl]diethylammonio]-ethyl ether sulfate, epichlorohydrin crosslinked |
| p. 8 | razoxanum
razoxane | <i>Replace chemical name by the following:</i>
(±)-4,4'-propylenedi-2,6-piperazinedione |
| p. 9 | tinofedrinum
tinofedrine | <i>Replace chemical name by the following:</i>
(+)-(R)-α-[(S)-1-[(3,3-di-3-thienylallyl)amino]ethyl]benzyl alcohol |