

International Nonproprietary Names for Pharmaceutical Substances

In accordance with paragraph 7 of the Procedure for the Selection of Recommended International Nonproprietary Names for Pharmaceutical Sub-

stances,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 19²

<i>Recommended International Nonproprietary Name (Latin, English)</i>	<i>Chemical Name or Description and Molecular Formulae</i>
acarbosum acarbose	<i>O</i> -4,6-dideoxy-4-[[[(1 <i>S</i> ,4 <i>R</i> ,5 <i>S</i> ,6 <i>S</i>)-4,5,6-trihydroxy-3-(hydroxymethyl)-2-cyclohexen-1-yl]amino]- α -D-glucopyranosyl-(1 $\rightarrow$ 4)- <i>O</i> - α -D-glucopyranosyl-(1 $\rightarrow$ 4)-D-glucopyranose C ₂₅ H ₄₃ NO ₁₄
afuroloium afurolool	7-[3-(<i>tert</i> -butylamino)-2-hydroxypropoxy]phthalide C ₁₅ H ₂₁ NO ₄
alafosfalinum alafosfalin	[(1 <i>R</i>)-1-[(2 <i>S</i>)-2-aminopropionamido]ethyl]phosphonic acid C ₅ H ₁₃ N ₂ O ₄ P
alcimetasonum alcimetasone	7 α -chloro-11 β ,17,21-trihydroxy-16 α -methylpregna-1,4-diene-3,20-dione C ₂₂ H ₂₈ ClO ₅
alepridum alepride	2-(allyloxy)-4-amino-5-chloro- <i>N</i> -[1-(3-cyclohexen-1-ylmethyl)-4-piperidyl]benzamide C ₂₂ H ₃₀ ClN ₂ O ₂
alinidinum alinidine	2-(<i>N</i> -allyl-2,6-dichloroanilino)-2-imidazoline C ₁₂ H ₁₃ Cl ₂ N ₃
allopurinolum allopurinol	1 <i>H</i> -pyrazolo[3,4- <i>d</i>]pyrimidin-4-ol C ₅ H ₄ N ₄ O
almagatum almagate	aluminum magnesium carbonate hydroxide (Al ₂ Mg ₆ (CO ₃) ₂ (OH) ₁₄) tetrahydrate C ₂ H ₁₄ Al ₂ Mg ₆ O ₂₆ .4H ₂ O
alminoprofenum alminoprofen	<i>p</i> -[(2-methylallyl)amino]hydratropic acid C ₁₃ H ₁₇ NO ₂
alozafonum alozafone	4'-chloro-2-[(2-cyano-1-methylethyl)methylamino]-2'-(<i>o</i> -fluorobenzoyl)- <i>N</i> -methylacetanilide C ₂₁ H ₂₁ ClFN ₂ O ₂
amafolonum amafolone	3 α -amino-2 β -hydroxy-5 α -androstan-17-one C ₁₉ H ₃₁ NO ₂
amfetaminilum amfetaminil	[(α -methylphenethyl)amino]phenylacetone nitrile C ₁₇ H ₁₉ N ₂
amidantelum amidantel	4'-[[1-(dimethylamino)ethylidene]amino]-2-methoxyacetanilide C ₁₃ H ₁₉ N ₂ O ₂

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, 21, 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, 1978, Vol. 32, No. 10.

amikhellinum amikhelline	9-[2-(diethylamino)ethoxy]-4-hydroxy-7-methyl-5 <i>H</i> -furo[3,2- <i>g</i>][1]benzopyran-5-one C ₁₈ H ₂₁ NO ₅
apramycinum apramycin	4- <i>O</i> -[3 <i>α</i> -amino-6 <i>α</i> -[(4-amino-4-deoxy- <i>α</i> -D-glucopyranosyl)oxyl]-2,3,4,4 <i>α</i> ,6,7,8,8 <i>α</i> -octahydro-8 <i>β</i> -hydroxy-7 <i>β</i> -(methylamino)pyrano-[3,2- <i>b</i>]pyran-2 <i>α</i> -yl]-2-deoxy-D-streptamine C ₂₁ H ₄₁ N ₅ O ₁₁
azacitidinum azacitidine	4-amino-1- <i>β</i> -D-ribofuranosyl- <i>s</i> -triazin-2(1 <i>H</i>)-one C ₆ H ₁₂ N ₄ O ₅
azimexonum azimexon	1-[1-(2-cyano-1-aziridinyl)-1-methylethyl]-2-aziridinecarboxamide C ₉ H ₁₄ N ₄ O
bentemazolum bentemazole	5-(1-benzylimidazol-2-yl)-1 <i>H</i> -tetrazole C ₁₁ H ₁₀ N ₆
bentiromidum bentiromide	(<i>S</i>)- <i>p</i> -(<i>α</i> -benzamido- <i>p</i> -hydroxyhydrocinnamamido)benzoic acid C ₂₃ H ₂₀ N ₂ O ₅
benzaprinoxidum benzaprinoxide	1-chloro- <i>N,N</i> -dimethyl-5 <i>H</i> -dibenzo[<i>a,d</i>]cycloheptene- $\Delta^{5,7}$ -propylamine <i>N</i> -oxide C ₂₀ H ₂₀ ClNO
bepriidilum bepriidil	<i>β</i> -[(2-methylpropoxy)methyl]- <i>N</i> -phenyl- <i>N</i> -(phenylmethyl)-1-pyrrolidineethanamine C ₂₄ H ₃₄ N ₂ O
brallobarbitalum brallobarbital	5-allyl-5-(2-bromoallyl)barbituric acid C ₁₀ H ₁₁ BrN ₂ O ₃
broxuximidum broxuximide	2-(<i>m</i> -bromophenyl)succinimide C ₁₀ H ₈ BrNO ₂
brotizolamum brotizolam	2-bromo-4-(<i>o</i> -chlorophenyl)-9-methyl-6 <i>H</i> -thieno[3,2- <i>f</i>]- <i>s</i> -triazolo[4,3- <i>a</i>]-[1,4]diazepine C ₁₅ H ₁₀ BrClN ₄ S
buquineranum buquineran	1-butyl-3-[1-(6,7-dimethoxy-4-quinazolinyl)-4-piperidyl]urea C ₂₆ H ₂₈ N ₅ O ₃
butikacinum butikacin	<i>O</i> -3-amino-3-deoxy- <i>α</i> -D-glucopyranosyl-(1→6)-D-[6-amino-6-deoxy- <i>α</i> -D- <i>ε'</i> -copyranosyl-(1→4)]- <i>N</i> ¹ -[(<i>S</i>)-4-amino-2-hydroxybutyl]-2-deoxy-D-streptamin. C ₂₂ H ₄₅ N ₅ O ₁₂
butilfeninum butilfenin	[[[(<i>p</i> -butylphenyl)carbamoyl]methyl]imino]diacetic acid C ₁₆ H ₂₂ N ₂ O ₅
butoconazolum butoconazole	(±)-1-[4-(<i>p</i> -chlorophenyl)-2-[(2,6-dichlorophenyl)thio]butyl]imidazole C ₁₉ H ₁₇ Cl ₃ N ₂ S
butofilololum butofilolol	(±)-2'-[3-(<i>tert</i> -butylamino)-2-hydroxypropoxy]-5'-fluorobutyrophenone C ₁₇ H ₂₆ FN ₂ O ₃
cadralazinum cadralazine	ethyl 6-[ethyl(2-hydroxypropyl)amino]-3-pyridazinecarbazate C ₁₂ H ₂₁ N ₅ O ₃
carubicinum carubicin	(1 <i>S</i> ,3 <i>S</i>)-3-acetyl-1,2,3,4,6,11-hexahydro-3,5,10,12-tetrahydroxy-6,11-dioxo-1-naphthacenyl 3-amino-2,3,6-trideoxy- <i>α</i> -L-lyxo-hexopyranoside C ₂₆ H ₂₇ NO ₁₀
cefotaximum cefotaxime	(6 <i>R</i> ,7 <i>R</i>)-7-[2-(2-amino-4-thiazolyl)glyoxylamido]-3-(hydroxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid <i>α</i> -(<i>O</i> -methyloxime), acetate (ester) C ₁₈ H ₁₇ N ₅ O ₇ S ₂

cefotiamum cefotiam	(6 <i>R</i> ,7 <i>R</i>)-7-[2-(2-amino-4-thiazolyl)acetamido]-3-[[[1-[2-(dimethylamino)-ethyl]-1 <i>H</i> -tetrazol-5-yl]thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid $C_{18}H_{23}N_5O_4S_3$
celucloalum celucloal	cellulose 2-hydroxyethyl ether reaction product with chloral
cibenzolinum cibenzoline	2-(2,2-diphenylcyclopropyl)-2-imidazoline $C_{18}H_{18}N_2$
ciclosidominum ciclosidomine	<i>N</i> -(cyclohexylcarbonyl)-3-morpholinolone imine $C_{13}H_{20}N_4O_3$
ciclotizolamum ciclotizolam	2-bromo-4-(<i>o</i> -chlorophenyl)-9-cyclohexyl-6 <i>H</i> -thieno[3,2- <i>f</i>]- <i>s</i> -triazolo[4,3- <i>a</i>]-[1,4]diazepine $C_{20}H_{18}BrClN_4S$
cinfoenacum cinfoenac	<i>p</i> -[2-(α -carboxy- <i>p</i> -anisoyl)vinyl]benzoic acid $C_{18}H_{14}O_6$
cinitapridum cinitapride	4-amino- <i>N</i> -[1-(3-cyclohexen-1-ylmethyl)-4-piperidyl]-2-ethoxy-5-nitrobenzamide $C_{21}H_{30}N_4O_4$
cinoquidoxum cinoquidox	<i>N</i> -(2-cyanoethyl)-3-methyl-2-quinoxalinecarboxamide 1,4-dioxide $C_{13}H_{12}N_4O_3$
ciprefadolum ciprefadol	(-)- <i>m</i> -[2-(cyclopropylmethyl)-1,3,4,5,6,7,8,8 <i>a</i> -octahydro-4 <i>a</i> β (2 <i>H</i>)-isoquinolyl]phenol $C_{19}H_{27}NO$
cipropridum cipropride	<i>N</i> -[[1-(cyclopropylmethyl)-2-pyrrolidinyl]methyl]-5-sulfamoyl- <i>o</i> -anisamide $C_{17}H_{25}N_3O_4S$
clonipazanum clonipazan	4-(2-chloroxanthen-9-ylidene)-1-methylpiperidine $C_{19}H_{18}ClNO$
cloranololum cloranolol	1-(<i>tert</i> -butylamino)-3-(2,5-dichlorophenoxy)-2-propanol $C_{13}H_{18}Cl_2NO_2$
detorubicinum detorubicin	glyoxylic acid 3'-ester with doxorubicin, 2-(diethyl acetal) or [[[(2 <i>S</i> ,4 <i>S</i>)-4-[(3-amino-2,3,6-trideoxy- α -L-lyxo-hexopyranosyl)oxy]-1,2,3,4,6,11-hexahydro-2,5,12-trihydroxy-7-methoxy-6,11-dioxo-2-naphthacetyl]carbonyl]-methyl glyoxylate 2-(diethyl acetal) $C_{32}H_{49}NO_{14}$
diacetololum diacetolol	3'-acetyl-4'-[2-hydroxy-3-(isopropylamino)propoxy]acetanilide $C_{18}H_{24}N_2O_4$
difemetorexum difemetorex	2-(diphenylmethyl)-1-piperidineethanol $C_{20}H_{25}NO$
dioxifedrinum dioxifedrine	3,4-dihydroxy- α -[1-(methylamino)ethyl]benzyl alcohol $C_{10}H_{15}NO_3$
dipivefrinum dipivefrine	($\pm$)-3,4-dihydroxy- α -[(methylamino)methyl]benzyl alcohol 3,4-dipivalate $C_{19}H_{29}NO_5$
ecipramidilum ecipramidil	3-[[[(2,2-diphenylcyclopropyl)methyl]amino]propyl 3,4,5-trimethoxybenzoate $C_{29}H_{33}NO_6$
encainidum encainide	($\pm$)-2'-[2-(1-methyl-2-piperidyl)ethyl]- <i>p</i> -anisamide $C_{22}H_{28}N_2O_2$
epicainidum epicainide	<i>N</i> -[[1-ethyl-2-pyrrolidinyl]methyl]benzamide $C_{21}H_{28}N_2O_2$
etilamfetaminum etilamfetamine	<i>N</i> -ethyl- α -methylphenethylamine $C_{11}H_{17}N$

etiracetamum etiracetam	(±)- α -ethyl-2-oxo-1-pyrrolidineacetamide $C_6H_{14}N_2O_2$
etizolamum etizolam	4-(<i>o</i> -chlorophenyl)-2-ethyl-9-methyl-6 <i>H</i> -thieno[3,2- <i>f</i>]- <i>s</i> -triazolo[4,3- <i>a</i>][1,4]diazepine $C_{17}H_{15}ClN_4S$
etretinatam etretinate	ethyl (<i>all-E</i>)-9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-2,4,6,8-nonatetraenoate $C_{23}H_{36}O_3$
exifonum exifone	2,3,3',4,4',5'-hexahydroxybenzophenone $C_{13}H_{10}O_7$
fecleminum feclemine	2-(α -cyclohexylbenzyl)- <i>N,N,N',N'</i> -tetraethyl-1,3-propanediamine $C_{24}H_{42}N_2$
fepitrizolum fepitrizol	<i>o</i> -[1-methyl-3-(3-pyridyl)-1 <i>H</i> -1,2,4-triazol-5-yl]benzyl alcohol $C_{15}H_{14}N_4O$
fibrinogenum (¹²⁵ I) fibrinogen (¹²⁵ I)	A preparation of fibrinogen (human) labeled with iodine ¹²⁵ I
fluidionum fluidione	2-(<i>p</i> -fluorophenyl)-1,3-indandione $C_{15}H_8FO_2$
fluproquazonum fluproquazone	4-(<i>p</i> -fluorophenyl)-1-isopropyl-7-methyl-2(1 <i>H</i>)-quinazolinone $C_{18}H_{17}FN_2O$
fosfomycinum fosfomycin	(-)-(1 <i>R</i> ,2 <i>S</i>)-(1,2-epoxypropyl)phosphonic acid $C_3H_7O_4P$
furofenacum furofenac	2-ethyl-2,3-dihydro-5-benzofuranacetic acid $C_{12}H_{14}O_3$
glicetanilum glicetanile	5'-chloro-2-[<i>p</i> -[(5-isobutyl-2-pyrimidinyl)sulfamoyl]phenyl]- <i>o</i> -acetanisidide $C_{23}H_{25}ClN_4O_4S$
guacetisalum guacetisal	<i>o</i> -methoxyphenyl salicylate acetate $C_{16}H_{14}O_5$
guaietolinum guaietolin	3-(<i>o</i> -ethoxyphenoxy)-1,2-propanediol $C_{11}H_{16}O_4$
halometasonum halometasone	2-chloro-6 α ,9-difluoro-11 β ,17,21-trihydroxy-16 α -methylpregna-1,4-diene-3,20-dione $C_{22}H_{27}ClF_2O_5$
indalpinum indalpine	3-[2-(4-piperidyl)ethyl]indole $C_{15}H_{20}N_2$
ioglucolum ioglucol	3'-[<i>N</i> -(2-hydroxyethyl)acetamido]-2',4',6'-triiodo-5'-(methylcarbamoyl)- <i>D</i> -gluconanilide $C_{18}H_{24}I_3N_3O_8$
ioglucomidum ioglucomide	<i>N,N'</i> -[2,4,6-triiodo-5-(methylcarbamoyl)- <i>m</i> -phenylene]bis[<i>D</i> -gluconamide] $C_{26}H_{24}I_3N_3O_{13}$
ioglunidum ioglunide	3'-[(2-hydroxyethyl)carbamoyl]-2',4',6'-triiodo-5-(<i>N</i> -methylacetamido)- <i>D</i> -gluconanilide $C_{18}H_{24}I_3N_3O_8$
iopamidolum iopamidol	<i>N,N'</i> -bis[2-hydroxy-1-(hydroxymethyl)ethyl]-2,4,6-triiodo-5-lactamidoisophthalamide $C_{17}H_{22}I_3N_3O_8$
isaxoninum isaxonine	2-(isopropylamino)pyrimidine $C_7H_{11}N_3$

isotretinoinum isotretinoin	13- <i>cis</i> -retinoic acid $C_{20}H_{28}O_2$
itanoxonum itanoxone	2-[<i>p</i> -(<i>o</i> -chlorophenyl)phenacyl]acrylic acid $C_{17}H_{13}ClO_3$
ketoconazolum ketoconazole	<i>cis</i> -1-acetyl-4-[<i>p</i> -[[2-(2,4-dichlorophenyl)-2-(imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazine $C_{26}H_{28}Cl_2N_4O_4$
levofacetoperanum levofacetoperane	(-)- α -phenyl-2-piperidinemethanol acetate (ester) $C_{14}H_{19}NO_2$
lidamidinum lidamidine	1-(methylamidino)-3-(2,6-xylyl)urea $C_{11}H_{16}N_4O$
meclorisonum meclorisone	9,11 β -dichloro-17,21-dihydroxy-16 α -methylpregna-1,4-diene-3,20-dione $C_{22}H_{24}Cl_2O_4$
mesudipinum mesudipine	diethyl 1',4'-dihydro-2',6'-dimethyl-2-(methylthio)[3,4'-bipyridine]-3',5'-dicarboxylate $C_{18}H_{24}N_2O_4S$
mesulfamidum mesulfamide	(<i>p</i> -sulfamoylanilino)methanesulfonic acid $C_7H_{10}N_2O_5S_2$
metamelfalanum metamelfalan	3-[<i>m</i> -[bis(2-chloroethyl)amino]phenyl]-L-alanine $C_{13}H_{18}Cl_2N_2O_2$
metesculetolum metesculetol	{(7-hydroxy-4-methyl-2-oxo-2 <i>H</i> -1-benzopyran-6-yl)oxy}acetic acid $C_{12}H_{10}O_6$
mexazolamum mexazolam	10-chloro-11b-(<i>o</i> -chlorophenyl)-2,3,7,11b-tetrahydro-3-methyloxazolo-[3,2- <i>d</i>]-[1,4]benzodiazepin-6(5 <i>H</i>)-one $C_{14}H_{14}Cl_2N_2O_2$
midazolamum midazolam	8-chloro-6-(<i>o</i> -fluorophenyl)-1-methyl-4 <i>H</i> -imidazo[1,5- <i>a</i>][1,4]benzodiazepine $C_{16}H_{13}ClFN_3$
miloxacinum miloxacin	5,8-dihydro-5-methoxy-8-oxo-1,3-dioxolo[4,5- <i>g</i>]quinoline-7-carboxylic acid $C_{12}H_9NO_6$
miristalkonii chloridum miristalkonium chloride	benzyltrimethyltetradecylammonium chloride $C_{23}H_{42}ClN$
mitonafidum mitonafide	<i>N</i> -[2-(dimethylamino)ethyl]-3-nitronaphthalimide $C_{18}H_{15}N_3O_4$
morniflumatum morniflumate	2-morpholinoethyl 2-(α,α,α -trifluoro- <i>m</i> -toluidino)nicotinate $C_{18}H_{20}F_3N_3O_3$
moxapridinum moxapridine	<i>N,N</i> -diethyl- <i>N'</i> -(1-methoxy-2-indanyl)- <i>N'</i> -phenyl-1,3-propanediamine $C_{23}H_{32}N_2O$
moxifensinum moxifensine	($\pm$)-4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-7-methoxy-2-methylisoquinoline $C_{17}H_{17}Cl_2NO$
nadololum nadolol	1-(<i>tert</i> -butylamino)-3-[(5,6,7,8-tetrahydro- <i>cis</i> -6,7-dihydroxy-1-naphthyl)-oxy]-2-propanol $C_{17}H_{27}NO_4$
naprodoximum naprodoxime	2-(1-naphthyloxy)propionamidoxime $C_{13}H_{14}N_2O_2$
nicafeninum nicafenine	<i>N</i> -(7-chloro-4-quinolyl)anthranilic acid ester with <i>N</i> -(2-hydroxyethyl)-nicotinamide $C_{24}H_{19}ClN_4O_3$

nicocortonidum nicocortonide	11 β ,14,17,21-tetrahydroxypregn-4-ene-3,20-dione cyclic 14,17-acetal with crotonaldehyde, 21-isonicotinate C ₃₁ H ₃₇ NO ₇
nimodipinum nimodipine	isopropyl 2-methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(<i>m</i> -nitrophenyl)-3,5-pyridinedicarboxylate C ₂₁ H ₂₆ N ₂ O ₇
nitrafudamum nitrafudam	5-(<i>o</i> -nitrophenyl)-2-furamide C ₁₁ H ₉ N ₃ O ₃
nitroclofenum nitroclofene	4,6'-dichloro-4',6-dinitro-2,2'-methylenediphenol C ₁₃ H ₄ Cl ₂ N ₂ O ₆
nomelidinum nomelidine	(<i>Z</i>)-3-[1-(<i>p</i> -bromophenyl)-3-(methylamino)propenyl]pyridine C ₁₅ H ₁₅ BrN ₂
noreximidum noreximide	<i>cis-exo</i> -5-norbornene-2,3-dicarboximide C ₈ H ₉ NO ₂
oftasceinum oftasceine	2',7'-bis[[bis(carboxymethyl)amino]methyl]fluorescein C ₃₀ H ₂₆ N ₂ O ₁₃
omonasteinum omonasteine	tetrahydro-2 <i>H</i> -1,3-thiazine-4-carboxylic acid C ₅ H ₉ NO ₂ S
orconazolum orconazole	($\pm$)-1-[<i>p</i> -chloro- β -[(2,6-dichlorobenzyl)oxy]phenethyl]imidazole C ₁₈ H ₁₅ Cl ₃ N ₂ O
oxabrexinum oxabrexine	ethyl [[4,6-dibromo- α -(cyclohexylmethylamino)- <i>o</i> -tolyl]oxy]acetate C ₁₈ H ₂₅ Br ₂ NO ₃
oxapadolum oxapadol	4,5-dihydro-1-phenyl-1,4-epoxy-1 <i>H</i> ,3 <i>H</i> -(1,4)oxazepino[4,3- <i>a</i>]benzimidazole C ₁₇ H ₁₄ N ₂ O ₂
oxcarbazepinum oxcarbazepine	10,11-dihydro-10-oxo-5 <i>H</i> -dibenz[<i>b,f</i>]azepine-5-carboxamide C ₁₅ H ₁₂ N ₂ O ₂
paraxazonum paraxazone	2,3-dihydro-3-oxo-4 <i>H</i> -1,4-benzoxazine-4-acetamide C ₁₀ H ₁₀ N ₂ O ₃
pentisomicinum pentisomicin	<i>O</i> -3-deoxy-4- <i>C</i> -methyl-3-(methylamino)- β -L-arabinopyranosyl-(1 $\rightarrow$ 1)- <i>O</i> -[2,6-diamino-2,3,4,6-tetradeoxy- α -D- <i>glycero</i> -hex-4-enopyranosyl-(1 $\rightarrow$ 3)]-4,6-diamino-4,5,6-trideoxy-D- <i>myo</i> -inositol C ₁₉ H ₃₇ N ₅ O ₇
pergolidum pergolide	8 β -[(methylthio)methyl]-6-propylergoline C ₁₉ H ₂₆ N ₂ S
phenindionum phenindione	2-phenyl-1,3-indandione C ₁₅ H ₁₀ O ₂
phenolphthaleinum phenolphthalein	phenolphthalein <i>or</i> 3,3-bis(<i>p</i> -hydroxyphenyl)phthalide C ₂₀ H ₁₄ O ₄
picilorexum picilorex	3-(<i>p</i> -chlorophenyl)-5-cyclopropyl-2-methylpyrrolidine C ₁₄ H ₁₈ ClN
piketopofenum piketopofen	<i>m</i> -benzoyl- <i>N</i> -(4-methyl-2-pyridyl)hydratropamide C ₂₂ H ₂₀ N ₂ O ₂
pipecuronii bromidum pipecuronium bromide	4,4'-(3 α ,17 β -dihydroxy-5 α -androstane-2 β ,16 β -ylene)bis[1,1-dimethylpiperazinium] dibromide, diacetate (ester), dihydrate C ₃₅ H ₆₂ Br ₂ N ₄ O ₄ ·2H ₂ O
pirifibratum pirifibrate	[6-(hydroxymethyl)-2-pyridyl]methyl 2-(<i>p</i> -chlorophenoxy)-2-methylpropionate C ₁₇ H ₁₈ ClNO ₄
pirinixilum pirinixil	2-[[4-chloro-6-(2,3-xyldino)-2-pyrimidinyl]thio]- <i>N</i> -(2-hydroxyethyl)acetamide C ₁₆ H ₁₉ ClN ₄ O ₂ S

pirindolum pirindole	2,3,3a,4,5,6-hexahydro-8-methyl-1 <i>H</i> -pyrazino[3,2,1- <i>jk</i>]carbazole C ₁₅ H ₁₄ N ₂
pirnabinum pirnabin	(±)-7,8,9,10-tetrahydro-3,6,6,9-tetramethyl-6 <i>H</i> -dibenzo[<i>b,d</i>]pyran-1-ol acetate C ₁₉ H ₂₄ O ₃
pirogilridum pirogilride	<i>N</i> -(1-methyl-2-pyrrolidinylidene)- <i>N'</i> -phenyl-1-pyrrolidinecarboxamide C ₁₆ H ₂₂ N ₄
pituxatum pituxate	2-piperidinoethyl 2,2-diphenylcyclopropanecarboxylate C ₂₃ H ₂₇ NO ₂
prenoverinum prenoverine	(±)-2'-(diphenylmethoxy)- <i>N</i> ,1-dimethyl-2-phenoxydiethylamine C ₂₅ H ₂₉ NO ₂
primidonum primidone	5-ethyl-5-phenyl-4,6-dioxo-hexahydropyrimidine C ₁₂ H ₁₄ N ₂ O ₂
propiramum propiram	<i>N</i> -(1-methyl-2-piperidinoethyl)- <i>N</i> -2-pyridylpropionamide C ₁₆ H ₂₅ N ₃ O
quinfamidum quinfamide	2-furoic acid ester with 1-(dichloroacetyl)-1,2,3,4-tetrahydro-6-quinolinol C ₁₆ H ₁₃ Cl ₂ NO ₄
quinuclii bromidum quinuclium bromide	1-methyl-3-oxo-4-phenylquinuclidinium bromide hemihydrate C ₁₄ H ₁₈ BrNO · ½H ₂ O
racepinefrinum racepinefrine	(±)-3,4-dihydroxy-α-[(methylamino)methyl]benzyl alcohol C ₉ H ₁₃ NO ₃
ranitidinum ranitidine	<i>N</i> -[2-[[5-[(dimethylamino)methyl]furfuryl]thio]ethyl]- <i>N'</i> -methyl-2-nitro-1,1-ethenediamine C ₁₃ H ₂₂ N ₄ O ₃ S
ropitoinum ropitoin	5-(<i>p</i> -methoxyphenyl)-5-phenyl-3-[3-(4-phenylpiperidino)propyl]hydantoin C ₃₀ H ₃₃ N ₃ O ₃
rosaramicinum rosaramicin	3-ethyl-7-hydroxy-2,8,12,16-tetramethyl-5,13-dioxo-9-[[3,4,6-trideoxy-3-(dimethylamino)-β-D-xylo-hexopyranosyl]oxy]-4,17-dioxabicyclo[14.1.0]-heptadec-14-ene-10-acetaldehyde C ₃₁ H ₅₁ NO ₉
roxibololum roxibolone	11β,17β-dihydroxy-17-methyl-3-oxoandrosta-1,4-diene-2-carboxylic acid C ₂₇ H ₂₈ O ₅
salafibratum salafibrate	2-hydroxy-1-(hydroxymethyl)ethyl salicylate 2-acetate bis[2-(<i>p</i> -chlorophenoxy)-2-methylpropionate] C ₃₂ H ₃₂ Cl ₂ O ₁₀
sarmoxicillinum sarmoxicillin	methoxymethyl (2 <i>S</i> ,5 <i>R</i> ,6 <i>R</i>)-6-[4-(<i>p</i> -hydroxyphenyl)-2,2-dimethyl-5-oxo-1-imidazolidinyl]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3,2,0]heptane-2-carboxylate C ₂₁ H ₂₇ N ₃ O ₆ S
sfericasum sfericase	Alkaline <i>Bacillus sphaericus</i> proteinase
sulfasuccinamidum sulfasuccinamide	4'-sulfamoylsuccinanilic acid C ₁₀ H ₁₂ N ₂ O ₅ S
taglutimidum taglutimide	<i>cis-endo-N</i> -(2,6-dioxo-3-piperidyl)-2,3-norbornanedicarboximide C ₁₄ H ₁₆ N ₂ O ₄
talisomycinum talisomycin	<i>N'</i> -[4-amino-5-[[3-[(4-aminobutyl)amino]propyl]carbamoyl]pentyl]-13-[[4-amino-4,6-dideoxy-α-L-talopyranosyl]oxy]-19-demethyl-12-hydroxybleomycinamide C ₆₈ H ₁₁₀ N ₂₂ O ₂₇ S ₂

talmetoprimum talmetoprim	<i>N</i> -[4-amino-5-(3,4,5-trimethoxybenzyl)-2-pyrimidinyl]phthalimide C ₂₂ H ₂₀ N ₄ O ₅
talniflumatum talniflumate	phthalidyl 2-(α,α,α -trifluoro- <i>m</i> -toluidino)nicotinate C ₂₁ H ₁₃ F ₃ N ₂ O ₄
tegafurum tegafur	5-fluoro-1-(tetrahydro-2-furyl)uracil C ₈ H ₉ FN ₂ O ₃
tilozepinum tilozepine	7-chloro-4-[4-methyl-1-piperazinyl]-10 <i>H</i> -thieno[3,2- <i>c</i>][1]benzazepine C ₁₇ H ₁₈ ClN ₃ S
timiperonum timiperone	4'-fluoro-4-[4-(2-thioxo-1-benzimidazolynyl)piperidino]butyrophenone C ₂₂ H ₂₄ FN ₂ OS
timofibratum timofibrate	3-[2-(<i>p</i> -chlorophenoxy)-2-methylpropionyl]-4-thiazolidinecarboxylic acid C ₁₄ H ₁₆ ClNO ₄ S
tioconazolum tioconazole	1-[2,4-dichloro- β -[(2-chloro-3-thenyl)oxy]phenethyl]imidazole C ₁₆ H ₁₃ Cl ₃ N ₂ OS
tiodazosinum tiodazosin	1-(4-amino-6,7-dimethoxy-2-quinazolinyl)-4-[[5-(methylthio)-1,3,4-oxadiazol-2-yl]carbonyl]piperazine C ₁₈ H ₂₁ N ₇ O ₄ S
tiopinacum tiopinac	6,11-dihydro-11-oxodibenzo[<i>b,e</i>]thiepin-3-acetic acid C ₁₆ H ₁₂ O ₃ S
tiosinaminum tiosinamine	1-allyl-2-thiourea C ₄ H ₆ N ₂ S
tolnidaminum tolnidamine	1-(4-chloro-2-methylbenzyl)-1 <i>H</i> -indazole-3-carboxylic acid C ₁₆ H ₁₃ ClN ₂ O ₂
trioxifenum trioxifene	3,4-dihydro-2-(<i>p</i> -methoxyphenyl)-1-naphthyl <i>p</i> -[2-(1-pyrrolidiny)ethoxy]phenyl ketone C ₃₀ H ₃₁ NO ₃
tropabazatum tropabazate	phenyl 3 α -hydroxy-8-azabicyclo[3.2.1]octane-8-carboxylate carbazate (ester) C ₁₅ H ₁₉ N ₃ O ₄
tuclazepamum tuclazepam	7-chloro-5-(<i>o</i> -chlorophenyl)-2,3-dihydro-1-methyl-1 <i>H</i> -1,4-benzodiazepine-2-methanol C ₁₇ H ₁₆ Cl ₂ N ₂ O
tulobuterolum tulobuterol	α -[(<i>tert</i> -butylamino)methyl]- <i>o</i> -chlorobenzyl alcohol C ₁₂ H ₁₈ ClNO
valconazolum valconazole	($\pm$)-2-(2,4-dichlorophenoxy)-1-imidazol-1-yl-4,4-dimethyl-3-pentanone C ₁₆ H ₁₈ Cl ₂ N ₂ O ₂
valperinolum valperinol	(2 <i>R</i> *,4 <i>R</i> *,4 <i>a</i> <i>S</i> *,5 <i>R</i> *,7 <i>S</i> *,7 <i>a</i> <i>R</i> *,8 <i>R</i> *)-hexahydro-4-methoxy-8-methyl-7 <i>a</i> -(piperidinomethyl)-2,5-methanocyclopenta- <i>m</i> -dioxin-7-ol C ₁₈ H ₂₇ NO ₄
verilopamum verilopam	3-(<i>p</i> -aminophenethyl)-2,3,4,5-tetrahydro-7,8-dimethoxy-1 <i>H</i> -3-benzazepine C ₂₀ H ₂₆ N ₂ O ₂
xinomilinum xinomiline	2-amino-4,4-dimethyl-2-oxazoline C ₅ H ₁₀ N ₂ O
zetidolinum zetidoline	1-(<i>m</i> -chlorophenyl)-3-[2-(3,3-dimethyl-1-azetidynyl)ethyl]-2-imidazolidinone C ₁₆ H ₂₂ ClN ₃ O
zinostatinum zinostatin	neocarzinostatin; acidic single-chained polypeptide obtained from cultures of <i>Streptomyces carzinostaticus</i> var. F-41, or the same substance produced by any other means
zocainonum zocainone	(<i>E</i>)-3-[<i>o</i> -[2-(diethylamino)ethoxy]phenoxy]-4-phenyl-3-buten-2-one C ₂₂ H ₂₇ NO ₂

AMENDMENTS
TO PREVIOUS LISTS

Supplement to Vol. 32, No. 10

Recommended International Nonproprietary Names (Rec. INN): List 18

p. 5 fomocainum
fomocaine

Replace 1- at the beginning of the chemical name by 4-