

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. I.N.N.*): LIST 12²

<i>Recommended International Nonproprietary Name (Latin, English)</i>	<i>Chemical Name or Description and Molecular Formula</i>
aceglatonum aceglatone	D-glucaric acid 1,4 : 6,3-dilactone diacetate C ₁₀ H ₁₀ O ₈
acetyldigitoxinum acetyldigitoxin	α-acetyldigitoxin C ₄₃ H ₆₆ O ₁₄
acidum cinepazicum cinepazic acid	4-(3,4,5-trimethoxycinnamoyl)-1-piperazineacetic acid C ₁₈ H ₂₄ N ₂ O ₆
acidum dimecroticum dimecrotic acid	2,4-dimethoxy-β-methylcinnamic acid C ₁₂ H ₁₄ O ₄
acidum fenofibricum fenofibric acid	2-[p-(p-chlorophenoxy)phenoxy]propionic acid C ₁₅ H ₁₃ ClO ₄
acidum iodoxamicum iodoxamic acid	3,3'-[ethylenebis(oxyethyleneoxyethylenecarbonylimino)]-bis[2,4,6-triiodobenzoic acid] C ₂₆ H ₂₆ I ₆ N ₂ O ₁₀
acidum iolidonicum iolidonic acid	α-ethyl-2,4,6-triiodo-3-(2-oxo-1-pyrrolidinyl)hydrocinnamic acid C ₁₅ H ₁₆ I ₃ NO ₃
acidum iolixanicum iolixanic acid	2-[2-[3-(N-ethylacetamido)-2,4,6-triiodophenoxy]ethoxy]-propionic acid C ₁₅ H ₁₈ I ₃ NO ₅
acidum iomeglamicum iomeglamic acid	3'-amino-2',4',6'-triiodo-N-methylglutaranilic acid C ₁₂ H ₁₃ I ₃ N ₂ O ₃
acidum piromidicum piromidic acid	8-ethyl-5,8-dihydro-5-oxo-2-(1-pyrrolidinyl)pyrido[2,3-d']-pyrimidine-6-carboxylic acid C ₁₄ H ₁₆ N ₄ O ₃
acidum protizinicum protizinic acid	7-methoxy-α,10-dimethylphenothiazine-2-acetic acid C ₁₇ H ₁₇ NO ₃ S

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.

<i>Recommended International Nonproprietary Name (Latin, English)</i>	<i>Chemical Name, or Description and Molecular Formula</i>
aciantatum aciantate	4-(2-chloro- <i>m</i> -toluidino)-3-thiophenecarboxylic acid, hydroxymethyl ester, acetate (ester) $C_{15}H_{14}ClNO_4S$
acrocinnonidum acrocinnonide	9-fluoro-11 β ,16 α ,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with acrolein $C_{24}H_{29}FO_6$
alfadolonum alfadolone	3 α ,21-dihydroxy-5 α -pregnane-11,20-dione $C_{21}H_{32}O_4$
alfaxalonum alfaxalone	3 α -hydroxy-5 α -pregnane-11,20-dione $C_{21}H_{32}O_3$
alonimidum alonimid	2,3-dihydrospiro[naphthalene-1(4 <i>H</i>),3'-piperidine]-2',4,6'-trione $C_{14}H_{13}NO_3$
amiterolum amiterol	<i>p</i> -amino- α -[(<i>sec</i> -butylamino)methyl]benzyl alcohol $C_{12}H_{20}N_2O$
amixetrinum amixetrine	1-[\beta-(isopentyloxy)phenethyl]pyrrolidine $C_{17}H_{27}NO$
amoxicillinum amoxicillin	(-)-6-[2-amino-2-(<i>p</i> -hydroxyphenyl)acetamido]-3,3-dimethyl- 7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid $C_{16}H_{19}N_3O_5S$
aprinidinum aprinidine	<i>N</i> -[3-(diethylamino)propyl]- <i>N</i> -phenyl-2-indanamine $C_{22}H_{30}N_2$
azalomycinum azalomycin	an antibiotic obtained from cultures of <i>Streptomyces hydroscopicus</i> var. <i>azalomyceticus</i> , or the same substance produced by any other means
bemetizidum bemetizide	6-chloro-3,4-dihydro-3-(α -methylbenzyl)-2 <i>H</i> -1,2,4-benzothia- diazine-7-sulfonamide 1,1-dioxide $C_{15}H_{16}ClN_3O_4S_2$
benaprizinum benaprizine	2-(ethylpropylamino)ethyl benzilate $C_{21}H_{27}NO_3$
benperidolum benperidol	1-[1-[3-(<i>p</i> -fluorobenzoyl)propyl]-4-piperidyl]-2-benzimidazolinone $C_{22}H_{24}FN_3O_2$
benproperinum benproperine	1-[2-(2-benzylphenoxy)-1-methylethyl]piperidine $C_{21}H_{27}NO$
benserazidum benserazide	DL-serine 2-(2,3,4-trihydroxybenzyl)hydrazide $C_{10}H_{15}N_3O_5$
betamethasoni acibus betamethasone acibutate	9-fluoro-11 β ,17,21-trihydroxy-16 β -methylpregna-1,4-diene- 3,20-dione 21-acetate 17-isobutyrate $C_{28}H_{37}FO_7$
bidimazii iodidum bidimazium iodide	4-(4-biphenyl)-2-[<i>p</i> -(dimethylamino)styryl]-3-methylthiazolium iodide $C_{26}H_{25}IN_2S$
bromopridum bromopride	4-amino-5-bromo- <i>N</i> -[2-(diethylamino)ethyl]- <i>o</i> -anisamide $C_{14}H_{22}BrN_3O_2$
bupranololum bupranolol	1-(<i>tert</i> -butylamino)-3-[(6-chloro- <i>m</i> -tolyl)oxy]-2-propanol $C_{14}H_{22}ClNO_2$
calcifediolum calcifediol	9,10-secocholesta-5,7,10(19)-triene-3 β ,25-diol $C_{27}H_{44}O_2$
cambendazolium cambendazole	isopropyl 2-(4-thiazolyl)-5-benzimidazolecarbamate $C_{14}H_{14}N_4O_2S$
carbasalatium calcicum carbasalate calcium	salicylic acid acetate, calcium salt, compound with urea (1 : 1) $C_{18}H_{14}CaO_8 \cdot CH_4N_2O$

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cefradinum cefradine	7-[2-amino-2-(1,4-cyclohexadien-1-yl)acetamido]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid $C_{16}H_{19}N_3O_4S$
cetiedilum cetiedil	α -cyclohexyl-3-thiopheneacetic acid, 2-(hexahydro-1 <i>H</i> -azepin-1-yl)ethyl ester $C_{20}H_{31}NO_2S$
chymopapainum chymopapain	a proteolytic enzyme isolated from papaya latex; differs from papain only slightly in general behaviour, such as substrate specificity, activation, inhibition, etc.
ciclacillinum ciclacillin	(1-aminocyclohexyl)penicillin or 6-(1-aminocyclohexanecarboxamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid $C_{15}H_{23}N_3O_4S$
ciclopiroxum ciclopirox	6-cyclohexyl-1-hydroxy-4-methyl-2(1 <i>H</i>)-pyridone $C_{12}H_{17}NO_2$
ciltoprazinum ciltoprazine	1-(5-chloro-2-methoxybenzoyl)-3-[3-(4- <i>m</i> -tolyl-1-piperazinyl)-propyl]urea $C_{23}H_{29}ClN_4O_3$
cinepazidum cinepazide	1-[(1-pyrrolidinylcarbonyl)methyl]-4-(3,4,5-trimethoxycinnamoyl)-piperazine $C_{22}H_{31}N_3O_5$
citenazonum citenazone	5-formyl-2-thiophenecarbonitrile thiosemicarbazone $C_7H_6N_4S_2$
clobetasolum clobetasol	21-chloro-9-fluoro-11 β ,17-dihydroxy-16 β -methylpregna-1,4-diene-3,20-dione $C_{22}H_{28}ClFO_4$
clobetasonum clobetasone	21-chloro-9-fluoro-17-hydroxy-16 β -methylpregna-1,4-diene-3,11,20-trione $C_{22}H_{26}ClFO_4$
clociguanilum clociguanil	4,6-diamino-1-[(3,4-dichlorobenzyl)oxy]-1,2-dihydro-2,2-dimethyl- <i>s</i> -triazine $C_{12}H_{15}Cl_2N_5O$
cloguanamilum cloguanamil	1-amidino-3-(3-chloro-4-cyanophenyl)urea $C_9H_8ClN_5O$
clometacinum clometacin	3-(<i>p</i> -chlorobenzoyl)-6-methoxy-2-methylindole-1-acetic acid $C_{19}H_{16}ClNO_4$
cotriptylinum cotriptyline	1-(dimethylamino)-3-(10,11-dihydro-5 <i>H</i> -dibenzo[<i>a,d</i>]cyclohepten-5-ylidene)-2-propanone $C_{20}H_{21}NO$
coumazolinum coumazoline	2-[(2-ethylbenzofuran-3-yl)methyl]-2-imidazoline $C_{14}H_{16}N_2O$
dacarbazinum dacarbazine	5-(3,3-dimethyl-1-triazeno)imidazole-4-carboxamide $C_6H_{10}N_6O$
desonidum desonide	11 β ,16 α ,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with acetone $C_{24}H_{32}O_6$
dexproibutenum dexproibutene	(+)-3-[(dimethylamino)methyl]-1,2-diphenyl-3-buten-2-ol propionate (ester) $C_{22}H_{27}NO_2$
difetarsonum difetarsone	<i>N,N</i> -ethylenediarsanilic acid $C_{14}H_{18}As_2N_2O_6$
dimetofrinum dimetofrine	4-hydroxy-3,5-dimethoxy- α -[(methylamino)methyl]benzyl alcohol $C_{11}H_{17}NO_4$

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dinoprostom dinoprostone	7-[3-hydroxy-2-(3-hydroxy-1-octenyl)-5-oxocyclopentyl]-5-heptenoic acid or prostaglandin E ₂ C ₂₀ H ₃₂ O ₅
dinoprostum dinoprost	7-(3,5-dihydroxy-2-(3-hydroxy-1-octenyl)cyclopentyl)-5-heptenoic acid or prostaglandin F _{2α} C ₂₀ H ₃₄ O ₅
doxibetasolum doxibetasol	9-fluoro-11β,17-dihydroxy-16β-methylpregna-1,4-diene-3,20-dione C ₂₂ H ₂₈ FO ₄
droperidolum droperidol	1-[1-[3-(<i>p</i> -fluorobenzoyl)propyl]-1,2,3,6-tetrahydro-4-pyridyl]-2-benzimidazolinone C ₂₂ H ₂₂ FN ₃ O ₂
duometacinum duometacin	3-(<i>p</i> -anisoyl)-6-methoxy-2-methylindole-1-acetic acid C ₂₀ H ₁₉ NO ₅
econazolum econazole	1-[2,4-dichloro-β-[(<i>p</i> -chlorobenzyl)oxy]phenethyl]imidazole C ₁₈ H ₁₅ Cl ₃ N ₂ O
etocarlidum etocarlide	4,4'-diethoxythiocarbanilide C ₁₇ H ₂₀ N ₂ O ₂ S
exiprobenum exiproben	<i>o</i> -[3-(hexyloxy)-2-hydroxypropoxy]benzoic acid C ₁₆ H ₂₄ O ₅
febuvenerinum febuvenerine	1,4-piperazinediethanol di(2-phenylbutyrate ester) C ₂₈ H ₃₈ N ₂ O ₄
feclobuzonium feclobuzone	<i>p</i> -chlorobenzoic acid, ester with 4-butyl-4-(hydroxymethyl)-1,2-diphenyl-3,5-pyrazolidinedione C ₂₇ H ₂₅ ClN ₂ O ₄
fenabutenum fenabutene	<i>p</i> -(1-methylpropenyl)phenyl acetate C ₁₂ H ₁₄ O ₂
fenoterolum fenoterol	3,5-dihydroxy- <i>α</i> -[[(<i>p</i> -hydroxy- <i>α</i> -methylphenethyl)amino]methyl]-benzyl alcohol C ₁₇ H ₂₁ NO ₄
fenoxedilum fenoxedil	2-(<i>p</i> -butoxyphenoxy)- <i>N</i> -(2,5-diethoxyphenyl)- <i>N</i> -[2-(diethylamino)ethyl]acetamide C ₂₈ H ₄₂ N ₂ O ₅
fenpiverinii bromidum fenpiverinium bromide	1-(3-carbamoyl-3,3-diphenylpropyl)-1-methylpiperidinium bromide C ₂₂ H ₂₉ BrN ₂ O
ferropolimalerum ferropolimaler	maleic acid polymer with methyl vinyl ether, iron(2+) salt (C ₇ H ₈ FeO ₅) _n
fluperamidum fluperamide	4-(4-chloro- <i>α,α,α</i> -trifluoro- <i>m</i> -tolyl)-4-hydroxy- <i>N,N</i> -dimethyl- <i>α,α</i> -diphenyl-1-piperidinebutyramide C ₃₀ H ₃₂ ClF ₃ N ₂ O ₂
fosazepamum fosazepam	7-chloro-1-[(dimethylphosphinyl)methyl]-1,3-dihydro-5-phenyl-2 <i>H</i> -1,4-benzodiazepin-2-one C ₁₈ H ₁₈ ClN ₂ O ₂ P
gitoformatum gitoformate	gitoxin 3',3'',3''',4''',16-pentaformate; 3β-[(2,6-dideoxy-β- <i>D</i> -ribo-hexopyranosyl-(1 → 4))-O-2,6-dideoxy-β- <i>D</i> -ribo-hexopyranosyl-(1 → 4)-2,6-dideoxy-β- <i>D</i> -ribo-hexopyranosyl]oxy]-14,16β-dihydroxy-5β-card-20(22)-enolide 3',3'',3''',4''',16-pentaformate C ₄₆ H ₆₄ O ₁₉
gramicidinum S gramicidin S	cyclo(L-valyl-L-ornithyl-L-leucyl-D-phenylalanyl-L-prolyl-L-valyl-L-ornithyl-L-leucyl-D-phenylalanyl-L-prolyl) C ₆₀ H ₉₂ N ₁₂ O ₁₀
guanabenzum guanabenz	[(2,6-dichlorobenzylidene)amino]guanidine C ₈ H ₈ Cl ₂ N ₄

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guanazodinium guanazodine	[(octahydro-2-azocinyl)methyl]guanidine C ₉ H ₂₀ N ₄
ifenprodilum ifenprodil	4-benzyl- α -(<i>p</i> -hydroxyphenyl)- β -methyl-1-piperidineethanol C ₂₁ H ₂₇ NO ₂
intriptylinum intriptyline	4-(5 <i>H</i> -dibenzo[<i>a,d</i>]cyclohepten-5-ylidene)- <i>N,N</i> -dimethyl-2-butynylamine C ₂₁ H ₁₉ N
ketazolamum ketazolam	11-chloro-8,12b-dihydro-2,8-dimethyl-12b-phenyl-4 <i>H</i> -[1,3]-oxazino[3,2- <i>d'</i>][1,4]benzodiazepine-4,7(6 <i>H</i>)-dione C ₂₀ H ₁₇ ClN ₂ O ₃
lapirili chloridum lapirium chloride	1-[[[(2-hydroxyethyl)carbamoyl]methyl]pyridinium chloride laurate (ester) C ₂₁ H ₃₅ ClN ₂ O ₃
lenperonum lenperone	4'-fluoro-4-[4-(<i>p</i> -fluorobenzoyl)piperidino]butyrophenone C ₂₂ H ₂₃ F ₂ NO ₂
levacetylmethadolum levacetylmethadol	(-)-3-acetoxy-6-dimethylamino-4,4-diphenylheptane C ₂₃ H ₃₁ NO ₂
lomustinum lomustine	1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea C ₉ H ₁₆ ClN ₃ O ₂
loperamidum loperamide	4-(<i>p</i> -chlorophenyl)-4-hydroxy- <i>N,N</i> -dimethyl- α , α -diphenyl-1-piperidinebutyramide C ₂₉ H ₃₃ ClN ₂ O ₂
lotucainum lotucaine	2,2,5,5-tetramethyl- α -[(<i>o</i> -tolylloxy)methyl]-1-pyrrolidineethanol C ₁₈ H ₂₉ NO ₂
mepramidilum mepramidil	3,4,5-trimethoxybenzoic acid, 3-[(3,3-diphenylpropyl)amino]-propyl ester C ₂₈ H ₃₃ NO ₅
metipiroxum metipirox	1-hydroxy-4,6-dimethyl-2(1 <i>H</i>)-pyridone C ₇ H ₉ NO ₂
metrizamidum metrizamide	2-[3-acetamido-2,4,6-triiodo-5-(<i>N</i> -methylacetamido)benzamido]-2-deoxy-D-glucose C ₁₈ H ₂₂ I ₃ N ₃ O ₈
metynodiolum metynodiolum	11 β -methyl-19-nor-17 α -pregn-4-en-20-yne-3 β ,17-diol C ₂₁ H ₃₀ O ₂
miboleronum miboleron	17 β -hydroxy-7 α ,17-dimethylester-4-en-3-one C ₂₀ H ₃₀ O ₂
mitolactolum mitolactol	1,6-dibromo-1,6-dideoxy-D-galactitol C ₈ H ₁₂ Br ₂ O ₄
molsidominum molsidomine	<i>N</i> -carboxy-3-morpholinosynnone imine ethyl ester C ₉ H ₁₄ N ₄ O ₄
morsuximidum morsuximide	2-methyl- <i>N</i> -(morpholinomethyl)-2-phenylsuccinimide C ₁₆ H ₂₀ N ₂ O ₃
moxipraquimum moxipraquine	4-[6-[(6-methoxy-8-quinolyl)amino]hexyl]- α -methyl-1-piperazinepropanol C ₂₄ H ₃₈ N ₄ O ₂
nicergolinum nicergoline	10-methoxy-1,6-dimethylergoline-8 β -methanol 5-bromonicotinate (ester) C ₂₄ H ₂₆ BrN ₃ O ₃
nifedipinum nifedipine	1,4-dihydro-2,6-dimethyl-4-(<i>o</i> -nitrophenyl)-3,5-pyridine-dicarboxylic acid, dimethyl ester C ₁₇ H ₁₈ N ₂ O ₆

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nimetazepamum nimetazepam	1,3-dihydro-1-methyl-7-nitro-5-phenyl-2H-1,4-benzodiazepin-2-one C ₁₆ H ₁₃ N ₃ O ₃
nimorazolum nimorazole	4-[2-(5-nitroimidazol-1-yl)ethyl]morpholine C ₉ H ₁₄ N ₄ O ₃
orazamidum orazamide	5-aminoimidazole-4-carboxamide orotate C ₄ H ₆ N ₄ O · C ₅ H ₄ N ₂ O ₄ · 2H ₂ O or C ₉ H ₁₀ N ₆ O ₅ · 2H ₂ O
osmadizonum osmadizone	[2-(phenylsulfinyl)ethyl]malonic acid mono(1,2-diphenylhydrazide) C ₂₃ H ₂₂ N ₂ O ₄ S
panidazolum panidazole	4-[2-(2-methyl-5-nitroimidazol-1-yl)ethyl]pyridine C ₁₁ H ₁₂ N ₄ O ₂
pentapiperii metilsulfas pentapiperium metilsulfate	4-hydroxy-1,1-dimethylpiperidinium methyl sulfate 3-methyl-2-phenylvalerate ester C ₂₀ H ₃₃ N ₂ O ₆ S
picoperinum picoperine	1-[2-[N-(2-pyridylmethyl)anilino]ethyl]piperidine C ₁₉ H ₂₅ N ₃
polidocanolum polidocanol	polyethylene glycol monododecyl ether (average polymer, n=9: nonaethylene glycol monododecyl ether)
poloxamerum 331 poloxamer 331	α-hydro-ω-hydroxypoly(oxyethylene)poly(oxypropylene) (53-59 moles)poly(oxyethylene) block copolymer average molecular weight: 3,800
poloxamerum 407 poloxamer 407	α-hydro-ω-hydroxypoly(oxyethylene)poly(oxypropylene) (63-71 moles)poly(oxyethylene) block copolymer average molecular weight: 12,500
pretiadilum pretiadil	6,11-dihydro-6-methyl-11-[3-[methyl(α-methylphenethyl)amino]-propyl]dibenzo[1,2,5]thiadiazepine 5,5-dioxide C ₂₆ H ₃₁ N ₃ O ₂ S
quinoxinum quinoxin	quinoxaline 1,4-dioxide C ₈ H ₆ N ₂ O ₂
ribostamycinum ribostamycin	O-2,6-diamino-2,6-dideoxy-α-D-glucopyranosyl-(1 → 4)-O-[β-D-ribofuranosyl-(1 → 5)]-2-deoxystreptamine C ₁₇ H ₃₄ N ₄ O ₁₀
rimazolii metilsulfas rimazolium metilsulfate	3-(ethoxycarbonyl)-6,7,8,9-tetrahydro-1,6-dimethyl-4-oxo-4H-pyrido[1,2-a]pyrimidinium methyl sulfate C ₁₄ H ₂₂ N ₂ O ₇ S
rimiterolum rimiterol	α-(3,4-dihydroxyphenyl)-2-piperidinemethanol C ₁₂ H ₁₇ NO ₃
ruvazonum ruvazone	o-ethoxybenzoic acid (1-carboxyethylidene)hydrazide C ₁₂ H ₁₄ N ₂ O ₄
semustinum semustine	1-(2-chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea C ₁₀ H ₁₈ ClN ₃ O ₂
sopitazinum sopitazine	10-[(4-isopropyl-1-piperazinyl)carbonyl]phenothiazine C ₂₀ H ₂₃ N ₃ OS
sudoxicamum sudoxicam	4-hydroxy-2-methyl-N-2-thiazolyl-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide C ₁₃ H ₁₁ N ₃ O ₄ S ₂
sulbenicillinum sulbenicillin	3,3-dimethyl-7-oxo-6-(2-phenyl-2-sulfoacetamido)-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid C ₁₆ H ₁₈ N ₂ O ₇ S ₂
sulfabenzamidum sulfabenzamide	N ¹ -benzoylsulfanilamide C ₁₃ H ₁₂ N ₂ O ₃ S
sultopridum sultopride	N-[(1-ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)-o-anisamide C ₁₇ H ₂₆ N ₂ O ₄ S

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talsupramum talsupram	1,3-dihydro- <i>N</i> ,3,3-trimethyl-1-phenylbenzo(<i>c</i>)thiophene-1-propylamine $C_{20}H_{25}NS$
taurultamum taurultam	tetrahydro-2 <i>H</i> -1,2,4-thiadiazine 1,1-dioxide $C_3H_6N_2O_2S$
thyroglobulinum thyroglobulin	thyroglobulin is a substance obtained by the fractionation of thyroid glands from the hog, <i>Sus scrofa</i> Linné var. <i>domesticus</i> Gray (Fam. <i>Suidae</i>), containing not less than 0.7 per cent. of total iodine (I)
tiaramidum tiaramide	4-[(5-chloro-2-oxo-3-benzothiazolyl)acetyl]-1-piperazine ethanol $C_{15}H_{16}ClN_3O_3S$
tofisopamum tofisopam	1-(3,4-dimethoxyphenyl)-5-ethyl-7,8-dimethoxy-4-methyl-5 <i>H</i> -2,3-benzodiazepine $C_{22}H_{26}N_2O_4$
toldimfosum toldimfos	[4-(dimethylamino)- <i>o</i> -tolyl]phosphinic acid $C_9H_{14}NO_2P$
tralonidum tralonide	9,11 β -dichloro-6 α ,21-difluoro-16 α ,17-dihydroxypregna-1,4-diene-3,20-dione cyclic acetal with acetone $C_{24}H_{28}Cl_2F_2O_4$
trazitilinum trazitiline	1-(9,10-dihydro-9,10-ethano-9-anthryl)-4-methylpiperazine $C_{21}H_{24}N_2$
treosulfanum treosulfan	L-threitol 1,4-dimethanesulfonate $C_6H_{14}O_6S_2$
urapidilum urapidil	6-[[3-[4-(<i>o</i> -methoxyphenyl)-1-piperazinyl]propyl]amino]-1,3-dimethyluracil $C_{20}H_{28}N_5O_3$
zepastinum zepastine	6,11-dihydro-6-methyl-11-(1 α H,5 α H-tropan-3 α -yloxy)dibenzo- <i>[c,f]</i> [1,2]thiazepine 5,5-dioxide $C_{22}H_{26}N_2O_5S$
zipeprolum zipeprol	α -(α -methoxybenzyl)-4-(β -methoxyphenethyl)-1-piperazineethanol $C_{23}H_{32}N_2O_3$

AMENDMENTS TO PREVIOUS LISTS

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RECOMMENDED INTERNATIONAL NONPROPRIETARY NAMES (*Rec. I.N.N.*): LIST 4

p. 108	paromomycinum paromomycin	replace description by the following: <i>O</i> -2,6-diamino-2,6-dideoxy- β -L-idopyranosyl-(1 \rightarrow 3)- <i>O</i> - β -D-ribofuranosyl-(1 \rightarrow 5)- <i>O</i> -[2-amino-2-deoxy- α -D-glucopyranosyl-(1 \rightarrow 4)]-2-deoxystreptamine $C_{23}H_{45}N_5O_{14}$
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