

# 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,<sup>1</sup> 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 13<sup>2</sup>

*Recommended International  
Nonproprietary Name* (Latin, English)

*Chemical Name or Description and Molecular Formula*

acebutololum acebutolol	3'-acetyl-4'-[2-hydroxy-3-(isopropylamino)propoxy]butyranilide $C_{18}H_{28}N_2O_4$
acidum aceburicum aceburic acid	4-hydroxybutyric acid acetate $C_6H_{10}O_4$
acidum buclocicum buclocic acid	3-(3-chloro-4-cyclohexylbenzoyl)propionic acid $C_{16}H_{19}ClO_3$
acidum cicloxilicum cicloxilic acid	<i>trans</i> -2-hydroxy-2-phenylcyclohexanecarboxylic acid $C_{13}H_{16}O_3$
acidum furacrinicum furacrinic acid	6-methyl-5-(2-methylenebutyryl)-2-benzofurancarboxylic acid $C_{15}H_{14}O_4$
acidum iopronicum iopronic acid	2-[[2-(3-acetamido-2,4,6-triiodophenoxy)ethoxy]methyl]butyric acid $C_{15}H_{18}I_3NO_5$
acidum iotranicum iotranic acid	3,3'-[oxybis(ethyleneoxyethylenecarbonylimino)]bis[2,4,6-triiodobenzoic acid] $C_{24}H_{22}I_6N_2O_9$
acidum prodolicum prodolic acid	1,3,4,9-tetrahydro-1-propylpyrano[3,4- <i>b</i> ]indole-1-acetic acid $C_{16}H_{19}NO_3$
acidum valproicum valproic acid	2-propylvaleric acid $C_8H_{16}O_2$
amidapsonum amidapsone	( <i>p</i> -sulfanilylphenyl)urea $C_{13}H_{13}N_3O_3S$
amifloverinum amifloverine	2-(3,5-diethoxyphenoxy)triethylamine $C_{16}H_{27}NO_3$
avoparcinum avoparcin	a glycopeptide antibiotic obtained from cultures of <i>Streptomyces candidus</i> , or the same substance produced by any other means

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

<sup>2</sup> 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.

batroxobinum batroxobin	a thrombinlike enzyme obtained from the venom of the serpent <i>Bothrops atrox</i>
benfosforminum benfosformin	disodium [(benzylamidino)amidino]phosphoramidate monohydrate $C_9H_{12}N_5Na_2O_3P \cdot H_2O$
benrixatum benrixate	4-benzyli-1-piperidinecarboxylic acid, 2-(diethylamino)ethyl ester $C_{19}H_{30}N_2O_2$
biclofibratum biclofibrate	bis( <i>p</i> -chlorophenoxy)acetic acid, 1-methyl-2-pyrrolidinylmethyl ester $C_{20}H_{21}Cl_2NO_4$
bisbendazolum bisbendazole	bis[1-(1-methyl-2-benzimidazolyl)ethyl] tetrathio- <i>p</i> -benzenedicarbamate $C_{28}H_{28}N_6S_4$
bromocriptinum bromocriptine	2-bromoergocryptine $C_{32}H_{40}BrN_5O_5$
brosotamidum brosotamide	5-bromo-2,3-cresotamide $C_8H_8BrNO_2$
bunaftinum bunaftine	<i>N</i> -butyl- <i>N</i> -[2-(diethylamino)ethyl]-1-naphthamide $C_{21}H_{30}N_2O$
bunitrololum bunitrolol	<i>o</i> -[3-( <i>tert</i> -butylamino)-2-hydroxypropoxy]benzonitrile $C_{14}H_{20}N_2O_2$
buprenorphinum buprenorphine	21-cyclopropyl-7 $\alpha$ -[( <i>S</i> )-1-hydroxy-1,2,2-trimethylpropyl]-6,14- <i>endo</i> -ethano-6,7,8,14-tetrahydrooripavine $C_{29}H_{41}NO_4$
butixiratum butixirate	$\alpha$ -ethyl-4-biphenylacetic acid compound with <i>trans</i> -4-phenylcyclohexylamine (1 : 1) $C_{16}H_{16}O_2 \cdot C_{12}H_{17}N$ or $C_{28}H_{33}NO_2$
calcii natrii ferriclas calcium sodium ferriclate	monocalcium tetrasodium bis[pentaaqua-[D-gluconato(4-)]-tetra- $\mu$ -hydroxy-dioxotriferrate(3- )] $C_{12}H_{44}CaFe_3Na_4O_{36}$
camiverinum camiverine	2-phenyl- <i>N</i> -[2-(1-pyrrolidinyl)ethyl]glycine isopentyl ester $C_{19}H_{30}N_2O_2$
caproxaminum caproxamine	3'-amino-4'-methylhexanophenone <i>O</i> -(2-aminoethyl)oxime $C_{15}H_{25}N_3O$
carbidopum carbidopa	$\alpha$ -hydrazino-3,4-dihydroxy- $\alpha$ -methylhydrocinnamic acid $C_{10}H_{14}N_2O_4$
carbuterolum carbuterol	[5-[2-( <i>tert</i> -butylamino)-1-hydroxyethyl]-2-hydroxyphenyl]urea $C_{13}H_{21}N_3O_3$
caroxazonum caroxazone	2-oxo-2 <i>H</i> -1,3-benzoxazine-3(4 <i>H</i> )-acetamide $C_{10}H_{10}N_2O_3$
cefoxitinum cefoxitin	3-(hydroxymethyl)-7-methoxy-8-oxo-7-[2-(2-thienyl)acetamido]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid carbamate (ester) $C_{16}H_{17}N_3O_7S_2$
ceruietidum ceruletide	5-oxo-L-prolyl-L-glutaminy-L-aspartyl-L-tyrosyl-L-threonylglycyl-L-tryptophyl-L-methionyl-L-aspartylphenyl-L-alaninamide 4-(hydrogen sulfate) (ester) $C_{58}H_{73}N_{13}O_{21}S_2$
cicarperonium cicarperone	4'-fluoro-4-(octahydro-4-hydroxy-1(2 <i>H</i> )-quinolyl)butyrophenone carbamate (ester) $C_{20}H_{27}FN_2O_3$
ciclopraminum ciclopramine	2,3,7,8-tetrahydro-3-(methylamino)-1 <i>H</i> -quino[1,8- <i>ab</i> ][1]benzazepine $C_{18}H_{20}N_2$

cicortonidum cicortonide	3-(2-chloroethoxy)-9-fluoro-11 $\beta$ ,16 $\alpha$ ,17,21-tetrahydroxy-20-oxopregna-3,5-diene-6-carbonitrile, cyclic 16,17-acetal with acetone, 21-acetate $C_{29}H_{37}ClFNO_7$
clazolamum clazolam	(+)-2-chloro-5,9,10,14b-tetrahydro-5-methylisoquino[2,1- <i>d'</i> ][1,4]-benzodiazepin-6(7 <i>H</i> )-one $C_{18}H_{17}ClN_2O$
clenbuterolum clenbuterol	4-amino- $\alpha$ -[( <i>tert</i> -butylamino)methyl]-3,5-dichlorobenzyl alcohol $C_{12}H_{18}Cl_2N_2O$
clocanfamidum clocanfamide	<i>p</i> -chloro- <i>N</i> -(2-hydroxyethyl)- <i>N</i> -[(3-methyl-2-norbornyl)methyl]-benzamide $C_{18}H_{24}ClNO_2$
clocapraminum clocapramine	1'-[3-(3-chloro-10,11-dihydro-5 <i>H</i> -dibenz[ <i>b,f</i> ]azepin-5-yl)propyl]-[1,4'-bipiperidine]-4'-carboxamide $C_{28}H_{37}ClN_4O$
clofibridum clofibrider	2-( <i>p</i> -chlorophenoxy)-2-methylpropionic acid, ester with 4-hydroxy- <i>N,N</i> -dimethylbutylamide $C_{16}H_{22}ClNO_4$
cloridarolum cloridarol	$\alpha$ -( <i>p</i> -chlorophenyl)-2-benzofuranmethanol $C_{15}H_{11}ClO_2$
cloxazolamum cloxazolam	10-chloro-11b-( <i>o</i> -chlorophenyl)-2,3,7,11b-tetrahydro-oxazolo[3,2- <i>d'</i> ]-[1,4]benzodiazepin-6(5 <i>H</i> )-one $C_{17}H_{14}Cl_2N_2O_2$
colfenamatum colfenamate	<i>N</i> -( $\alpha,\alpha,\alpha$ -trifluoro- <i>m</i> -tolyl)anthranilic acid, ester with glycolamide $C_{16}H_{13}F_3N_2O_3$
cynarinum cynarine	3,4-dihydroxycinnamic acid, 1-carboxy-4,5-dihydroxy-1,3-cyclohexylene ester $C_{25}H_{24}O_{12}$
dazadrolum dazadrol	$\alpha$ -( <i>p</i> -chlorophenyl)- $\alpha$ -2-imidazolin-2-yl-2-pyridinemethanol $C_{15}H_{14}ClN_3O$
dectaflurum dectaflur	9-octadecenylamine hydrofluoride $C_{18}H_{37}N \cdot HF$ or $C_{18}H_{36}FN$
detralfatum detralfate	dextran sulfate, sodium salt, aluminum complex
diamfenetidum diamfenetide	$\beta,\beta'$ -oxybis[ <i>p</i> -acetophenetidide] $C_{20}H_{24}N_2O_5$
dichlorvosum dichlorvos	2,2-dichlorovinyl dimethyl phosphate $C_4H_7Cl_2O_4P$
diclofenacum diclofenac	[ <i>p</i> -(2,6-dichloroanilino)phenyl]acetic acid $C_{14}H_{11}Cl_2NO_2$
difenamizolum difenamizole	2-(dimethylamino)- <i>N</i> -(1,3-diphenylpyrazol-5-yl)propionamide $C_{20}H_{22}N_4O$
dipyrrithionum dipyrrithione	2,2'-dithiodipyridine 1,1'-dioxide $C_{10}H_8N_2O_2S_2$
dobutaminum dobutamine	( $\pm$ )-4-[2-[[3-( <i>p</i> -hydroxyphenyl)-1-methylpropyl]amino]ethyl]pyrocatechol $C_{18}H_{23}NO_3$
drocinonidum drocinonide	9-fluoro-11 $\beta$ ,16 $\alpha$ ,17,21-tetrahydroxy-5 $\alpha$ -pregnane-3,20-dione cyclic 16,17-acetal with acetone $C_{24}H_{35}FO_6$

endrisonium endrisone	11 $\beta$ -hydroxy-6 $\alpha$ -methylpregna-1,4-diene-3,20-dione C <sub>22</sub> H <sub>30</sub> O <sub>3</sub>
etidocainum etidocaine	( $\pm$ )-2-( <i>N</i> -ethylpropylamino)-2',6'-butyroxylidide C <sub>17</sub> H <sub>28</sub> N <sub>2</sub> O
etofenamatum etofenamate	2-(2-hydroxyethoxy)ethyl- <i>N</i> -( $\alpha$ , $\alpha$ , $\alpha$ -trifluoro- <i>m</i> -tolyl)anthranilate C <sub>18</sub> H <sub>18</sub> F <sub>3</sub> NO <sub>4</sub>
etoloxaminum etoloxamine	2-[( $\alpha$ -phenyl- <i>o</i> -tolyl)oxy]triethylamine C <sub>15</sub> H <sub>25</sub> NO
fenalcominum fenalcomine	$\alpha$ -ethyl- <i>p</i> -[2-[( $\alpha$ -methylphenethyl)amino]ethoxy]benzyl alcohol C <sub>20</sub> H <sub>27</sub> NO <sub>2</sub>
fenaperonium fenaperone	4-[3-( <i>p</i> -fluorobenzoyl)propyl]-1-piperazinecarboxylic acid, cyclohexyl ester C <sub>21</sub> H <sub>29</sub> FN <sub>2</sub> O <sub>3</sub>
fenbendazolium fenbendazole	methyl 5-(phenylthio)-2-benzimidazolecarbamate C <sub>15</sub> H <sub>13</sub> N <sub>3</sub> O <sub>2</sub> S
fenipentolum fenipentol	$\alpha$ -butylbenzyl alcohol C <sub>11</sub> H <sub>16</sub> O
fenoverinum fenoverine	10-[(4-piperonyl-1-piperazinyl)acetyl]phenothiazine C <sub>26</sub> H <sub>25</sub> N <sub>3</sub> O <sub>3</sub> S
fentonii bromidum fentonium bromide	3 $\alpha$ -hydroxy-8-( <i>p</i> -phenylphenacyl)-1 $\alpha$ H,5 $\alpha$ H-tropanium bromide (–)-tropate C <sub>31</sub> H <sub>34</sub> BrNO <sub>4</sub>
floedilum floedit	4-[2-(3,5-diethoxyphenoxy)ethyl]morpholine C <sub>16</sub> H <sub>25</sub> NO <sub>4</sub>
floverinum floverine	2-(3,5-dimethoxyphenoxy)ethanol C <sub>10</sub> H <sub>14</sub> O <sub>4</sub>
fluazacortum fluazacort	9-fluoro-11 $\beta$ ,21-dihydroxy-2'-methyl-5' $\beta$ H-pregna-1,4-dieno-[17,16- <i>d'</i> ]oxazole-3,20-dione 21-acetate C <sub>25</sub> H <sub>30</sub> FN <sub>2</sub> O <sub>6</sub>
flupranonum flupranone	3-[4-( <i>p</i> -fluorophenyl)-3,6-dihydro-1(2 <i>H</i> )-pyridyl]-1-[1-(2-hydroxyethyl)-5-methylpyrazol-4-yl]-1-propanone C <sub>20</sub> H <sub>24</sub> FN <sub>3</sub> O <sub>2</sub>
flurbiprofenum flurbiprofen	2-fluoro- $\alpha$ -methyl-4-biphenylacetic acid C <sub>15</sub> H <sub>13</sub> FO <sub>2</sub>
fominobenum fominoben	3'-chloro- $\alpha$ -[methyl[(morpholinocarbonyl)methyl]amino]- <i>o</i> -benzotoluidide C <sub>21</sub> H <sub>24</sub> ClN <sub>3</sub> O <sub>3</sub>
furomazinum furomazine	3-[1-[3-(2-chlorophenothiazin-10-yl)propyl]-4-hydroxy-4-piperidyl]dihydro-2(3 <i>H</i> )-furanone C <sub>24</sub> H <sub>27</sub> ClN <sub>2</sub> O <sub>3</sub> S
gapicominum gapicomine	4,4'-(iminodimethylene)dipyridine C <sub>12</sub> H <sub>13</sub> N <sub>3</sub>
gemazocinum gemazocine	3-(cyclopropylmethyl)-6-ethyl-1,2,3,4,5,6-hexahydro-11,11-dimethyl-2,6-methano-3-benzazocin-8-ol C <sub>20</sub> H <sub>29</sub> NO
giractidum giractide	1-glycine-18-L-argininamide- $\alpha$ <sup>1</sup> - <sup>18</sup> -corticotropin <i>or</i> Gly-L-Tyr-L-Ser-L-Met-L-Glu-L-His-L-Phe-L-Arg-L-Trp-Gly-L-Lys-L-Pro-L-Val-Gly-L-Lys-L-Lys-L-Arg-L-Arg-NH <sub>2</sub> C <sub>100</sub> H <sub>156</sub> N <sub>34</sub> O <sub>22</sub> S
glicaramidum glicaramide	1-cyclohexyl-3-[[ <i>p</i> -[2-[1-ethyl-4-(isopentyloxy)-3-methyl-1 <i>H</i> -pyrazolo[3,4- <i>b</i> ]pyridine-5-carboxamido]ethyl]phenyl]sulfonyl]urea C <sub>30</sub> H <sub>42</sub> N <sub>6</sub> O <sub>5</sub> S

gliquidonium gliquidone	1-cyclohexyl-3-[[ <i>p</i> -[2-(3,4-dihydro-7-methoxy-4,4-dimethyl-1,3-dioxo-2(1 <i>H</i> )-isoquinolyl)ethyl]phenyl]sulfonyl]urea C <sub>27</sub> H <sub>33</sub> N <sub>3</sub> O <sub>6</sub> S
glutaralum glutaral	pentanedial <i>or</i> glutaraldehyde C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>
halazepamum halazepam	7-chloro-1,3-dihydro-5-phenyl-1-(2,2,2-trifluoroethyl)- 2 <i>H</i> -1,4-benzodiazepin-2-one C <sub>17</sub> H <sub>12</sub> ClF <sub>3</sub> N <sub>2</sub> O
halcinonidum halcinonide	21-chloro-9-fluoro-11β,16α,17-trihydroypregn-4-ene-3,20-dione cyclic 16,17-acetal with acetone C <sub>24</sub> H <sub>32</sub> ClFO <sub>5</sub>
hetaflurum hetaflur	hexadecylamine hydrofluoride C <sub>16</sub> H <sub>35</sub> N · HF <i>or</i> C <sub>16</sub> H <sub>35</sub> FN
homosalatum homosalate	3,3,5-trimethylcyclohexyl salicylate C <sub>16</sub> H <sub>22</sub> O <sub>3</sub>
indapamidum indapamide	4-chloro- <i>N</i> -(2-methyl-1-indolyl)-3-sulfamoylbenzamide C <sub>16</sub> H <sub>16</sub> ClN <sub>3</sub> O <sub>3</sub> S
ipratropii bromidum ipratropium bromide	3α-hydroxy-8-isopropyl-1α <i>H</i> ,5α <i>H</i> -tropanium bromide (±)-tropate C <sub>20</sub> H <sub>30</sub> BrNO <sub>3</sub>
isofluranum isoflurane	1-chloro-2,2,2-trifluoroethyl difluoromethyl ether C <sub>3</sub> H <sub>2</sub> ClF <sub>5</sub> O
ketoprofenum ketoprofen	<i>m</i> -benzoylhydratropic acid C <sub>16</sub> H <sub>14</sub> O <sub>3</sub>
lauroguadinum lauroguadine	1,1'-[4-(dodecycloxy)- <i>m</i> -phenylene]diguanidine C <sub>20</sub> H <sub>36</sub> N <sub>6</sub> O
lobendazolum lobendazole	ethyl 2-benzimidazolecarbamate C <sub>10</sub> H <sub>11</sub> N <sub>3</sub> O <sub>2</sub>
lometralinum lometraline	8-chloro-1,2,3,4-tetrahydro-5-methoxy- <i>N,N</i> -dimethyl-1-naphthyl- amine C <sub>13</sub> H <sub>18</sub> ClNO
macrisalbum (131I) macrisalb (131I)	macroaggregated iodinated (131I) human albumin
mazaticolum mazaticol	6,6,9-trimethyl-9-azabicyclo[3.3.1]non-3β-yl di-2-thienylglycolate C <sub>21</sub> H <sub>27</sub> NO <sub>3</sub> S <sub>2</sub>
menatetrenonum menatetrenone	2-methyl-3-(3,7,11,15-tetramethyl-2,6,10,14-hexadecatetraenyl)- 1,4-naphthoquinone C <sub>31</sub> H <sub>40</sub> O <sub>2</sub>
mesabolonum mesabolone	17β-[(1-methoxycyclohexyl)oxy]-5α-androst-1-en-3-one C <sub>26</sub> H <sub>40</sub> O <sub>3</sub>
mexiletinum mexiletine	1-methyl-2-(2,6-xylyloxy)ethylamine C <sub>11</sub> H <sub>17</sub> NO
mitomycinum mitomycin	mitomycin C; 6-amino-1,1a,2,8,8a,8b-hexahydro-8-(hydroxyme- thyl)-8a-methoxy-5-methylazirino[2',3':3,4]pyrrolo[1,2- <i>a</i> ]indole- 4,7-dione carbamate (ester) C <sub>15</sub> H <sub>18</sub> N <sub>4</sub> O <sub>5</sub>
mocimycinum mocimycin	an antibiotic obtained from cultures of <i>Streptomyces ramocissimus</i> , or the same substance obtained by any other means.
mofoverinum mofoverine	2,4,6-trimethoxybenzoic acid, 2-morpholinoethyl ester C <sub>16</sub> H <sub>23</sub> NO <sub>6</sub>
morclofenum morclofone	4'-chloro-3,5-dimethoxy-4-(2-morpholinoethoxy)benzophenone C <sub>21</sub> H <sub>24</sub> ClNO <sub>5</sub>
nadoxololum nadoxolol	3-hydroxy-4-(1-naphthylloxy)butyramidoxime C <sub>14</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub>

naltrexonum naltrexone	(-)-17-(cyclopropylmethyl)-4,5-epoxy-3,14-dihydroxymorphinan-6-one $C_{20}H_{23}NO_4$
nicoclonatum nicoclonate	<i>p</i> -chloro- $\alpha$ -isopropylbenzyl nicotinate $C_{16}H_{16}ClNO_2$
nicofuratum nicofurate	2-methyl-5-( <i>D</i> -arabino-1,2,3,4-tetrahydroxybutyl)-3-furoic acid methyl ester, tetranicotinate $C_{35}H_{28}N_4O_{11}$
nictindolum nictindole	2-isopropylindol-3-yl 3-pyridyl ketone $C_{17}H_{16}N_2O$
nlprofazonum niprofazole	<i>N</i> -[(antipyrinylisopropylamino)methyl]nicotinamide $C_{21}H_{25}N_5O_2$
ocrasum ocrase	fibrinolytic enzyme derived from <i>Aspergillus ochraceus</i>
olafllurum olafllur	2,2'-[[3-[(2-hydroxyethyl)octadecylamino]propyl]imino]diethanol dihydrofluoride $C_{27}H_{58}N_2O_3 \cdot 2HF$ or $C_{27}H_{56}F_2N_2O_3$
ornidazolum ornidazole	$\alpha$ -(chloromethyl)-2-methyl-5-nitroimidazole-1-ethanol $C_7H_{10}ClN_3O_3$
oxamniquinum oxamniquine	1,2,3,4,-tetrahydro-2-[(isopropylamino)methyl]-7-nitro-6-quinolinemethanol $C_{14}H_{21}N_3O_3$
oxaprazinum oxaprazine	10-[3-[4-(2- <i>m</i> -dioxan-2-ylethyl)-1-piperazinyl]propyl]pheno- thiazine $C_{25}H_{33}N_3O_2S$
axisopredum axisopred	11 $\beta$ ,17,21-trihydroxy- <i>B</i> -homo- <i>A</i> -norpregn-1-ene-3,6,20-trione $C_{21}H_{28}O_6$
papaverolinum papaveroline	1-(3,4-dihydroxybenzyl)-6,7-isoquinolinediol $C_{16}H_{13}NO_4$
penflutizidum penflutizide	3,4-dihydro-3-pentyl-6-(trifluoromethyl)-2 <i>H</i> -1,2,4-benzothiadiazine- 7-sulfonamide 1,1-dioxide $C_{13}H_{18}F_3N_3O_4S_2$
pentoxifyllinum pentoxifylline	1-(5-oxohexyl)theobromine $C_{13}H_{18}N_4O_3$
pepstatinum pepstatin	isovaleryl-L-valyl-L-valyl-4-amino-3-hydroxy-6-methylheptanoyl- L-alanyl-4-amino-3-hydroxy-6-methylheptanoic acid $C_{34}H_{63}N_5O_9$
pifexolum pifexole	4-[5-( <i>o</i> -chlorophenyl)-1,2,4-oxadiazol-3-yl]pyridine $C_{13}H_8ClN_3O$
pirdonii bromidum pirdonium bromide	1,1-dimethyl-2-[[( <i>p</i> -methyl- $\alpha$ -phenylbenzyl)oxy]methyl]pipe- ridinium bromide $C_{22}H_{30}BrNO$
pretamazii iodidum pretamazium iodide	4-(4-biphenyl)-3-ethyl-2-( <i>p</i> -1-pyrrolidinylstyryl)thiazolium iodide $C_{29}H_{29}IN_2S$
prodipinum prodipine	1-isopropyl-4,4-diphenylpiperidine $C_{20}H_{25}N$
proligestonum proligestone	14,17-dihydroxypregn-4-ene-3,20-dione, cyclic acetal with propion- aldehyde $C_{24}H_{34}O_4$
propafenonum propafenone	2'-[2-hydroxy-3-(propylamino)propoxy]-3-phenylpropiophenone $C_{21}H_{27}NO_3$

propetamidum propetamide	2- <i>p</i> -phenetidino- <i>N</i> -propylpropionamide C <sub>14</sub> H <sub>22</sub> N <sub>2</sub> O <sub>2</sub>
rathyroninum rathyronine	D,L-3-[4-(4-hydroxy-3-iodophenoxy)-3,5-diiodophenyl]alanine C <sub>15</sub> H <sub>12</sub> I <sub>3</sub> NO <sub>4</sub>
salantelum salantel	3'-chloro-4'-( <i>p</i> -chlorobenzoyl)-3,5-diiodosalicylanilide C <sub>20</sub> H <sub>11</sub> Cl <sub>2</sub> I <sub>2</sub> NO <sub>3</sub>
salfluverinum salfluverine	α,α,α-trifluoro- <i>m</i> -salicylotoluidide C <sub>14</sub> H <sub>10</sub> F <sub>3</sub> NO <sub>2</sub>
salsalatum salsalate	salicylic acid, bimolecular ester C <sub>14</sub> H <sub>10</sub> O <sub>5</sub>
seclazonum seclazone	7-chloro-3,3a-dihydro-2 <i>H</i> ,9 <i>H</i> -isoxazolo[3,2- <i>b</i> ][1,3]benzoxazin-9-one C <sub>10</sub> H <sub>8</sub> ClNO <sub>3</sub>
sulglicotidum sulglicotide	the sulfuric polyester of a glycopeptide isolated from pig duodenum
taclaminum taclamine	2,3,4,4a,8,9,13b,14-octahydro-1 <i>H</i> -benzo[6,7]cyclohepta[1,2,3- <i>de</i> ]-pyrido[2,1- <i>a</i> ]isoquinoline C <sub>21</sub> H <sub>23</sub> N
talinololum talinolol	(±)-1-[ <i>p</i> -(3-( <i>tert</i> -butylamino)-2-hydroxypropoxy)phenyl]-3-cyclohexylurea C <sub>20</sub> H <sub>33</sub> N <sub>3</sub> O <sub>3</sub>
tamoxifenum tamoxifen	( <i>Z</i> )-2-[ <i>p</i> -(1,2-diphenyl-1-butenyl)phenoxy]- <i>N,N</i> -dimethylethylamine C <sub>26</sub> H <sub>29</sub> NO
tetracosactidum tetracosactide	L-seryl-L-tyrosyl-L-seryl-L-methionyl-L-glutamyl-L-histidyl-L-phenylalanyl-L-arginyl-L-tryptophyl-L-glycyl-L-lysyl-L-propyl-L-valyl-glycyl-L-lysyl-L-lysyl-L-arginyl-L-arginyl-L-prolyl-L-valyl-L-lysyl-L-valyl-L-tyrosyl-L-proline C <sub>136</sub> H <sub>210</sub> N <sub>40</sub> O <sub>31</sub> S
tetripofenum tetripofen	<i>p</i> -1-cyclohexen-1-ylhydratropic acid C <sub>15</sub> H <sub>18</sub> O <sub>2</sub>
tiadenolum tiadenol	2,2'-(decamethylenedithio)diethanol C <sub>14</sub> H <sub>30</sub> O <sub>2</sub> S <sub>2</sub>
tiamenidinum tiamenidine	2-[(2-chloro-4-methyl-3-thienyl)amino]-2-imidazoline C <sub>8</sub> H <sub>10</sub> ClN <sub>3</sub> S
tiapridum tiapride	<i>N</i> -[2-(diethylamino)ethyl]-5-(methylsulfonyl)- <i>o</i> -anisamide C <sub>15</sub> H <sub>24</sub> N <sub>2</sub> O <sub>4</sub> S
timepidii bromidum timepidium bromide	3-(di-2-thienylmethylene)-5-methoxy-1,1-dimethylpiperidinium bromide C <sub>17</sub> H <sub>22</sub> BrNOS <sub>2</sub>
timololum timolol	(-)-1-( <i>tert</i> -butylamino)-3-[(4-morpholino-1,2,5-thiadiazol-3-yl)oxy]-2-propanol C <sub>13</sub> H <sub>24</sub> N <sub>4</sub> O <sub>4</sub> S
tisocromidum tisocromide	<i>N</i> -[3-(dimethylamino)-1,3-dimethylbutyl]-6,7-dimethoxy-2,1-benzoxathian-3-carboxamide 1,1-dioxide C <sub>19</sub> H <sub>30</sub> N <sub>2</sub> O <sub>6</sub> S
tisoquonum tisoquone	4-ethyl-3,4-dihydro-4-phenylthioisocarbostyryl C <sub>17</sub> H <sub>17</sub> NS
tolamololum tolamolol	<i>p</i> -[2-[[2-hydroxy-3-( <i>o</i> -tolylloxy)propyl]amino]ethoxy]benzamide C <sub>19</sub> H <sub>24</sub> N <sub>2</sub> O <sub>4</sub>
tolindatum tolindate	<i>O</i> -5-indanyl <i>m,N</i> -dimethylthiocarbanilate C <sub>18</sub> H <sub>19</sub> NOS

toliprololum toliproiol	1-(isopropylamino)-3-( <i>m</i> -tolylloxy)-2-propanol C <sub>13</sub> H <sub>21</sub> NO <sub>2</sub>
toionidinum toionidine	2-(2-chloro- <i>p</i> -toluidino)-2-imidazoline C <sub>10</sub> H <sub>12</sub> ClN <sub>3</sub>
tolperisonum tolperisone	2,4'-dimethyl-3-piperidinopropiophenone C <sub>16</sub> H <sub>23</sub> NO
trapidilum trapidil	7-(diethylamino)-5-methyl- <i>s</i> -triazolo[1,5- <i>a</i> ]pyrimidine C <sub>10</sub> H <sub>15</sub> N <sub>5</sub>
triflubazamum triflubazam	1-methyl-5-phenyl-7-(trifluoromethyl)-1 <i>H</i> -1,5-benzodiazepine-2,4- [3 <i>H</i> ,5 <i>H</i> ]-dione C <sub>17</sub> H <sub>13</sub> F <sub>3</sub> N <sub>2</sub> O <sub>2</sub>
tromantadinum tromantadine	<i>N</i> -1-adamantyl-2-[2-(dimethylamino)ethoxy]acetamide C <sub>16</sub> H <sub>28</sub> N <sub>2</sub> O <sub>2</sub>
tropatepinum tropatepine	3-dibenzo[ <i>b,e</i> ]thiepin-11(6 <i>H</i> )-ylidene-1 <i>aH</i> ,5 <i>aH</i> -tropane C <sub>22</sub> H <sub>23</sub> NS
vincofosum vincofos	2,2-dichlorovinyl methyl octyl phosphate C <sub>11</sub> H <sub>21</sub> Cl <sub>2</sub> O <sub>4</sub> P

## AMENDMENTS TO PREVIOUS LISTS

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

*delete*

- p. 468 *magnesi aluminii glycinas*      hydroxy aluminium magnesium aminoacetate  
*magnesium aluminium glycinate*

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

- p. 478 *cefradinum*      *replace chemical name by the following :*  
*cefradine*      7-[D-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