

# 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,<sup>1</sup> 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 of pharmacy.*

## Recommended International Nonproprietary Names (Rec. INN): List 21<sup>2</sup>

Recommended International  
Nonproprietary Name (Latin, English)

Chemical Name or Description and Molecular Formulae

acidum chenodeoxycholicum  
chenodeoxycholic acid

3 $\alpha$ ,7 $\alpha$ -dihydroxy-5 $\beta$ -cholan-24-oic acid  
C<sub>24</sub>H<sub>40</sub>O<sub>4</sub>

acidum clavulanicum  
clavulanic acid

(Z)-(2R,5R)-3-(2-hydroxyethylidene)-7-oxo-4-oxa-1-azabicyclo[3.2.0]heptane-2-carboxylic acid  
C<sub>8</sub>H<sub>9</sub>NO<sub>5</sub>

acidum enfenamicum  
enfenamic acid

N-phenethylanthranilic acid  
C<sub>15</sub>H<sub>15</sub>NO<sub>2</sub>

acidum indacrinicum  
indacrinic acid

(±)-[[6,7-dichloro-2-methyl-1-oxo-2-phenyl-5-indanyl]oxy]acetic acid  
C<sub>18</sub>H<sub>14</sub>Cl<sub>2</sub>O<sub>4</sub>

acidum pirinixicum  
pirinixic acid

[4-chloro-6-(2,3-xylidino)-2-pyrimidinyl]thio]acetic acid  
C<sub>14</sub>H<sub>14</sub>ClN<sub>3</sub>O<sub>2</sub>S

acidum ursodeoxycholicum  
ursodeoxycholic acid

3 $\alpha$ ,7 $\beta$ -dihydroxy-5 $\beta$ -cholan-24-oic acid  
C<sub>24</sub>H<sub>40</sub>O<sub>4</sub>

acefyllinum  
acefylline

2-(p-chlorophenoxy)-2methylpropyl 1,2,3,6-tetrahydro-1,3-dimethyl-2,6-dioxo-purine-7-acetate  
C<sub>19</sub>H<sub>21</sub>ClN<sub>4</sub>O<sub>5</sub>

acivicinum  
acivicin

( $\alpha$ ,S,5S)- $\alpha$ -amino-3-chloro-2-isoxazoline-5-acetic acid  
C<sub>5</sub>H<sub>7</sub>ClN<sub>2</sub>O<sub>3</sub>

aciarubicinum  
aciarubicin

methyl (1R,2R,4S)-2-ethyl-1,2,3,4,6,11-hexahydro-2,5,7-trihydroxy-6,11-dioxo-4-[[2,3,6-trideoxy-4-O-[2,6-dideoxy-4-O-[(2R,6S)-tetrahydro-6-methyl-5-oxo-2H-pyran-2-yl]- $\alpha$ -L-lyxo-hexopyranosyl]-3-(dimethylamino)- $\alpha$ -L-lyxo-hexopyranosyl]oxy]-1-naphthacene-carboxylate  
C<sub>42</sub>H<sub>53</sub>NO<sub>15</sub>

adinazolamum  
adinazolam

8-chloro-1-[(dimethylamino)methyl]-6-phenyl-4H-s-triazolo[4,3-a][1,4]benzodiazepine  
C<sub>19</sub>H<sub>18</sub>ClN<sub>5</sub>

aditerenum  
aditeren

2,4-diamino-5-(4-amino-3,5-dimethoxybenzyl)pyrimidine  
C<sub>13</sub>H<sub>17</sub>N<sub>5</sub>O<sub>2</sub>

<sup>1</sup> Off. Rec. Wld Hlth Org., 1955, 62, 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, 126, 463; 1962, 16, 101; 1965, 19, 165, 226, 249; 1966, 20, 421, 1967, 21, 533; 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; 1978, Vol. 32, No. 10, 1979, Vol. 33, No. 10; 1980, Vol. 34, No. 10.

alexitolum natrium alexitol sodium	sodium polyhydroxyaluminium monocarbonate hexitol complex where $n = 0$ or an integer, controlled by the preparative conditions
alfaprostolum alfaprostol	methyl {Z}-7-[[1 <i>R</i> ,2 <i>S</i> ,3 <i>R</i> ,5 <i>S</i> ]-2-[(3 <i>S</i> )-5-cyclohexyl-3-hydroxy-1-pentynyl]-3,5-dihydroxycyclopentyl]-5-heptenoate $C_{24}H_{38}O_5$
alsactidum alsactide	1- $\beta$ -alanine-17-[L-2,6-diamino- <i>N</i> -(4-aminobutyl)hexanamide]- $\alpha^1$ -17-corticotropin $C_{99}H_{155}N_{29}O_{21}S$
altretaminum altretamine	hexamethylmelamine $C_9H_{18}N_6$
ametantronum ametantrone	1,4-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]anthraquinone $C_{22}H_{28}N_4O_4$
amifostinum amifostine	<i>S</i> -[2-[(3-aminopropyl)amino]ethyl] dihydrogen phosphorothioate monohydrate $C_5H_{15}N_2O_3PS \cdot H_2O$
aminoquinuridum aminoquinuride	1,3-bis(4-amino-2-methyl-6-quinolyl)urea $C_{21}H_{20}N_6O$
amipizonum amipizone	2-chloro-4'-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)propionanilide $C_{14}H_{16}ClN_3O_2$
amisulpridum amisulpride	4-amino- <i>N</i> -[(1-ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)- <i>o</i> -anisamide $C_{17}H_{27}N_3O_4S$
amperozidum amperozide	4-[4,4-bis( <i>p</i> -fluorophenyl)butyl]- <i>N</i> -ethyl-1-piperazinecarboxamide $C_{22}H_{29}F_2N_3O$
ampyzinum ampyzine	(dimethylamino)pyrazine $C_6H_9N_3$
aniracetamum aniracetam	1- <i>p</i> -anisoyl-2-pyrrolidinone $C_{12}H_{13}NO_3$
anitrazafeum anitrazafe	5,6-bis( <i>p</i> -methoxyphenyl)-3-methyl- <i>as</i> -triazine $C_{18}H_{17}N_3O_2$
argipressinum argipressin	8-argininevasopressin $C_{46}H_{65}N_{15}O_{12}S_2$
azaconazolum azonazole	1-[[2-(2,4-dichlorophenyl)-1,3-dioxolan-2-yl]methyl]-1 <i>H</i> -1,2,4-triazole $C_{12}H_{11}Cl_2N_3O_2$
benolizimum benolizime	1,2,3,4,4a,6,7,11b,12,13a-decahydro-9,10-dimethoxy-13 <i>H</i> -dibenzo[ <i>a,f</i> ]quinolizin-13-one oxime $C_{19}H_{26}N_2O_3$
bifonazolum bifonazole	1-( <i>p</i> , $\alpha$ -diphenylbenzyl)imidazole $C_{22}H_{18}N_2$
binifibratum binifibrate	2-( <i>p</i> -chlorophenoxy)-2-methylpropionic acid ester with 1,3-dimethoxy-2-propanol $C_{25}H_{23}ClN_2O_7$
bofumustinum bofumustine	1-(2-chloroethyl)-3-{2,3- <i>O</i> -isopropylidene- <i>D</i> -ribofuranosyl}-1-nitrosourea 5'-( <i>p</i> -nitrobenzoate $C_{18}H_{21}ClN_4O_9$
brodimoprimum brodimoprim	2,4-diamino-5-(4-bromo-3,5-dimethoxybenzyl)pyrimidine $C_{13}H_{15}BrN_4O_2$
bumepidilum bumepidil	8- <i>tert</i> -butyl-7,8-dihydro-5-methyl-6 <i>H</i> -pyrrolo[3,2- <i>e</i> ]- <i>s</i> -triazolo[1,5- <i>a</i> ]pyrimidine $C_{12}H_{17}N_5$

butizidum butizide	3-isobutyl-6-chloro-3,4-dihydro-2 <i>H</i> -1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide C <sub>11</sub> H <sub>15</sub> ClN <sub>3</sub> O <sub>4</sub> S <sub>2</sub>
butobendinum butobendine	(+)-(S,S)-ethylenebis[(methylimino)(2-ethylethylene)] bis(3,4,5-trimethoxybenzoate) C <sub>32</sub> H <sub>48</sub> N <sub>2</sub> O <sub>10</sub>
carbazeranum carbazeran	1-(6,7-dimethoxy-1-phthalazinyl)-4-piperidyl ethylcarbamate C <sub>18</sub> H <sub>24</sub> N <sub>4</sub> O <sub>4</sub>
carmofurum carmofur	5-fluoro- <i>N</i> -hexyl-3,4-dihydro-2,4-dioxo-1(2 <i>H</i> )-pyrimidinecarboxamide C <sub>11</sub> H <sub>16</sub> FN <sub>2</sub> O <sub>3</sub>
carprazidilum carprazidil	methyl 5-(3,6-dihydro-1(2 <i>H</i> )-pyridyl)-2-oxo-2 <i>H</i> -[1,2,4]oxadiazolo[2,3- <i>a</i> ]pyrimidine-7-carbamate C <sub>12</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub>
carteololum carteolol	5-[3-( <i>tert</i> -butylamino)-2-hydroxypropoxy]-3,4-dihydrocarbostyryl C <sub>16</sub> H <sub>24</sub> N <sub>2</sub> O <sub>3</sub>
cefetizolum cefetizole	(6 <i>R</i> ,7 <i>R</i> )-8-oxo-7-[2-(2-thienyl)acetamido]-3-[[5-(triazol-3-ylthio)methyl]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid C <sub>16</sub> H <sub>15</sub> N <sub>5</sub> O <sub>4</sub> S <sub>3</sub>
cefmenoximum cefmenoxime	(6 <i>R</i> ,7 <i>R</i> )-7-[2-(2-amino-4-thiazolyl)glyoxylamido]-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 7 <sup>2</sup> -( <i>Z</i> )-(O-methyloxime) C <sub>16</sub> H <sub>17</sub> N <sub>5</sub> O <sub>5</sub> S <sub>3</sub>
cefodizimum cefodizime	(6 <i>R</i> ,7 <i>R</i> )-7-[2-(2-amino-4-thiazolyl)glyoxylamido]-3-[[[5-(carboxymethyl)-4-methyl-2-thiazolyl]thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid 7 <sup>2</sup> -( <i>Z</i> )-(O-methyloxime) C <sub>20</sub> H <sub>20</sub> N <sub>6</sub> O <sub>7</sub> S <sub>4</sub>
cefotetanum cefotetan	(6 <i>R</i> ,7 <i>S</i> )-7-[4-(carbamoylcarboxymethylene)-1,3-dithietane-2-carboxamido]-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 <sub>17</sub> H <sub>17</sub> N <sub>7</sub> O <sub>8</sub> S <sub>4</sub>
ceftazidimum ceftazidime	1-[[[6 <i>R</i> ,7 <i>R</i> ]-7-[2-(2-amino-4-thiazolyl)glyoxylamido]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]pyridinium hydroxyde, inner salt, 7 <sup>2</sup> -( <i>Z</i> )-(O-(1-carboxy-1-methylethyl)oxime) C <sub>22</sub> H <sub>22</sub> N <sub>6</sub> O <sub>7</sub> S <sub>2</sub>
ceftriaxonum ceftriaxone	(6 <i>R</i> ,7 <i>R</i> )-7-[2-(2-amino-4-thiazolyl)glyoxylamido]-3-[[[2,5-dihydro-6-hydroxy-2-methyl-5-oxo- <i>as</i> -triazin-3-yl]thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid 7 <sup>2</sup> -( <i>Z</i> )-(O-methyloxime) C <sub>18</sub> H <sub>18</sub> N <sub>6</sub> O <sub>7</sub> S <sub>3</sub>
cefuracetimum cefuracetime	(6 <i>R</i> ,7 <i>R</i> )-7-[2-(2-furyl)glyoxylamido]-3-(hydroxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid 7 <sup>2</sup> -( <i>Z</i> )-(O-methyloxime), acetate (ester) C <sub>17</sub> H <sub>17</sub> N <sub>3</sub> O <sub>8</sub> S
cianidanolum cianidanol	(+)-catechol or (2 <i>R</i> ,3 <i>S</i> )-3,3',4',5,7-flavanpentol C <sub>15</sub> H <sub>14</sub> O <sub>6</sub>
cimoxatonum cimoxatone	α-[ <i>p</i> -[5-(methoxymethyl)-2-oxo-3-oxazolidinyl]phenoxy]- <i>m</i> -tolunitrile C <sub>19</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub>
cinamololum cinamolol	methyl ( <i>E</i> )- <i>o</i> -[2-hydroxy-3-(isopropylamino)propoxy]cinnamate C <sub>18</sub> H <sub>23</sub> NO <sub>4</sub>
clobuzaritum clobuzarit	2-[(4'-chloro-4-biphenyl)methoxy]-2-methylpropionic acid C <sub>17</sub> H <sub>17</sub> ClO <sub>3</sub>

clodoxoponum clodoxopone	4-( <i>p</i> -chlorophenyl)-5-[2-(4-phenyl-1-piperazinyl)ethyl]-1,3-dioxol-2-one C <sub>21</sub> H <sub>21</sub> ClN <sub>2</sub> O <sub>3</sub>
corbadrinum corbadrine	<i>erythro</i> -( <i>-</i> )- $\alpha$ -(1-aminomethyl)-3,4-dihydrobenzyl alcohol C <sub>9</sub> H <sub>13</sub> NO <sub>3</sub>
cuproxolinum cuproxoline	bis(dihydrogen-8-hydroxy-5,7-quinolinedisulfonato)copper, compound with diethylamine (1:4) C <sub>18</sub> H <sub>12</sub> CuN <sub>2</sub> O <sub>14</sub> S <sub>4</sub> · 4C <sub>4</sub> H <sub>11</sub> N or C <sub>34</sub> H <sub>56</sub> CuN <sub>6</sub> O <sub>14</sub> S <sub>4</sub>
dapiprazolum dapiprazole	5,6,7,8-tetrahydro-3-[2-(4- <i>o</i> -tolyl-1-piperazinyl)ethyl]- <i>s</i> -triazolo[4,3- <i>a</i> ]pyridine C <sub>19</sub> H <sub>27</sub> N <sub>5</sub>
dazidaminum dazidamine	2-benzyl-3-[[3-(dimethylamino)propyl]thio]-2 <i>H</i> -indazole C <sub>19</sub> H <sub>23</sub> N <sub>3</sub> S
deboxametum deboxamet	5-methoxy-2-methylindole-3-acetohydroxamic acid C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub>
decominolum decominol	1-amino-3-(decyloxy)-2-propanol C <sub>13</sub> H <sub>29</sub> NO <sub>2</sub>
defibrotidum defibrotide	polydeoxyribonucleotides of bovine lung; molecular weights ranging between 45,000 and 55,000
diclofensinum diclofensine	( $\pm$ )-4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-7-methoxy-2-methylisoquinoline C <sub>17</sub> H <sub>17</sub> Cl <sub>2</sub> NO
dicobalti edetas dicobalt edetate	cobalt(2+)[(ethylenedinitrilo)tetraacetato]cobaltate(2-) C <sub>10</sub> H <sub>12</sub> Co <sub>2</sub> N <sub>2</sub> O <sub>8</sub>
dimesnum dimesna	disodium 2,2'-dithiodiethanesulfonate C <sub>4</sub> H <sub>8</sub> Na <sub>2</sub> O <sub>6</sub> S <sub>4</sub>
dimeticonum dimeticone	poly(dimethylsiloxane) Each dimeticone name is followed by a number referring to the viscosity of the substance: e.g. dimeticone 20 {viscosity of 17.0 to 23.0 centistokes} dimeticone 200 {viscosity of 190 to 210 centistokes} dimeticone 350 {viscosity of 330 to 370 centistokes} dimeticone 500 {viscosity of 475 to 525 centistokes} dimeticone 1000 {viscosity of 950 to 1050 centistokes}
disobutamidum disobutamide	$\alpha$ -( <i>o</i> -chlorophenyl)- $\alpha$ -(2-(diisopropylamino)ethyl)-1-piperidinebutyramide C <sub>23</sub> H <sub>38</sub> ClN <sub>3</sub> O
disulerginum disulergine	<i>N,N</i> -dimethyl- <i>N'</i> -(6-methylergolin-8 $\alpha$ -yl)sulfamide C <sub>17</sub> H <sub>24</sub> N <sub>4</sub> O <sub>2</sub> S
docusatum natricum docusate sodium	di- $\beta$ -ethylhexyl sodium sulfo-succinate C <sub>26</sub> H <sub>57</sub> NaO <sub>7</sub> S
doxifluridinum doxifluridine	5'-deoxy-5-fluorouridine C <sub>9</sub> H <sub>11</sub> FN <sub>2</sub> O <sub>5</sub>
doxpicominum doxpicomine	( <i>-</i> )-3-[(dymethylamino)- <i>m</i> -dioxan-5-ylmethyl]pyridine C <sub>12</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub>
elcatoninum elcatonin	1-butyric acid-7-(L-2-aminobutyric acid)-26-L-aspartic acid-27-L-valine-29-L-alaninecalcitonin (salmon) C <sub>148</sub> H <sub>244</sub> N <sub>42</sub> O <sub>47</sub>
emorfazonum emorfazone	4-ethoxy-2-methyl-5-morpholino-3(2 <i>H</i> )-pyridazinone C <sub>11</sub> H <sub>17</sub> N <sub>3</sub> O <sub>3</sub>

enilconazolum enilconazole	(±)-1-[β-(allyloxy)-2,4-dichlorophenethyl]imidazole C <sub>14</sub> H <sub>14</sub> Cl <sub>2</sub> N <sub>2</sub> O
enolicamum enolicam	3',4',7-trichloro-2,3-dihydro-5-hydroxy-1-benzothiepin-4-carboxanilide 1,1-dioxide C <sub>17</sub> H <sub>12</sub> Cl <sub>3</sub> NO <sub>4</sub> S
enprofyllinum enprofylline	3-propylxanthine C <sub>8</sub> H <sub>10</sub> N <sub>4</sub> O <sub>2</sub>
enviroximum enviroxime	(E)-2-amino-6-benzoyl-1-(isopropylsulfonyl)benzimidazole oxime C <sub>17</sub> H <sub>18</sub> N <sub>4</sub> O <sub>3</sub> S
epioproprimum epioproprim	2,4-diamino-5-(3,5-diethoxy-4-pyrrol-1-ylbenzyl)pyrimidine C <sub>19</sub> H <sub>23</sub> N <sub>5</sub> O <sub>2</sub>
epoprostenolum epoprostenol	(Z)-(3a <i>R</i> ,4 <i>R</i> ,5 <i>R</i> ,6 <i>a</i> S)-hexahydro-5-hydroxy-4-[(E)-(3 <i>S</i> )-3-hydroxy-1-octenyl]-2 <i>H</i> - cyclopenta[ <i>b</i> ]furan-Δ <sup>2,6</sup> -valeric acid C <sub>20</sub> H <sub>32</sub> O <sub>5</sub>
eptazocinum *azocine	(-)-(1 <i>S</i> ,6 <i>S</i> )-2,3,4,5,6,7-hexahydro-1,4-dimethyl-1,6-methano-1 <i>H</i> -4-benzazonin- 10-ol C <sub>15</sub> H <sub>21</sub> NO
esaprazolum esaprazole	<i>N</i> -cyclohexyl-1-piperazineacetamide C <sub>12</sub> H <sub>23</sub> N <sub>3</sub> O
ethylis dirazepas ethyl dirazepate	ethyl 7-chloro-5-( <i>o</i> -chlorophenyl)-2,3-dihydro-2-oxo-1 <i>H</i> -1,4-benzodiazepine-3- carboxylate C <sub>18</sub> H <sub>14</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>3</sub>
etintidium etintidine	2-cyano-1-[2-[[5-methylimidazol-4-yl)methyl]thio]ethyl]-3-[2-propynyl]- guanidine C <sub>12</sub> H <sub>16</sub> N <sub>6</sub> S
etodolacum etodolac	1,8-diethyl-1,3,4,9-tetrahydropyrano[3,4- <i>b</i> ]indole-1-acetic acid C <sub>17</sub> H <sub>21</sub> NO <sub>3</sub>
felodipinum felodipine	ethyl methyl 4-(2,3-dichlorophenyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridine- dicarboxylate C <sub>18</sub> H <sub>19</sub> Cl <sub>2</sub> NO <sub>4</sub>
fenoctimum fenoctimine	4-(diphenylmethyl)-1-( <i>N</i> -octylformimidoyl)piperidine C <sub>27</sub> H <sub>38</sub> N <sub>2</sub>
fenofibratum fenofibrate	isopropyl 2-[ <i>p</i> -( <i>p</i> -chlorobenzoyl)phenoxy]-2-methylpropionate C <sub>20</sub> H <sub>21</sub> ClO <sub>4</sub>
fenticonazolum fenticonazole	1-[2,4-dichloro-β-[[ <i>p</i> -(phenylthio)benzyl]oxy]phenethyl]imidazole C <sub>24</sub> H <sub>20</sub> Cl <sub>2</sub> N <sub>2</sub> OS
fludoxoponum fludoxopone	4-( <i>p</i> -fluorophenyl)-5-[2-(4-phenyl-1-piperazinyl)ethyl]-1,3-dioxol-2-one C <sub>21</sub> H <sub>21</sub> FN <sub>2</sub> O <sub>3</sub>
flunoxaprofenum flunoxaprofen	(+)-2-( <i>p</i> -fluorophenyl)-α-methyl-5-benzoxazoleacetic acid C <sub>16</sub> H <sub>12</sub> FO <sub>3</sub>
flutoprazepamum flutoprazepam	7-chloro-1-(cyclopropylmethyl)-5-( <i>o</i> -fluorophenyl)-1,3-dihydro-2 <i>H</i> -1,4-benzo- diazepin-2-one C <sub>19</sub> H <sub>16</sub> ClFN <sub>2</sub> O
formoterolum formoterol	(±)-2'-hydroxy-5'-[[( <i>RS</i> )-1-hydroxy-2-[[( <i>RS</i> )- <i>p</i> -methoxy-α-methylphen- ethyl]amino]ethyl]formanilide C <sub>19</sub> H <sub>24</sub> N <sub>2</sub> O <sub>4</sub>

furcloprofenum furcloprofen	(+)-8-chloro- $\alpha$ -methyl-3-dibenzofuranacetic acid $C_{15}H_{11}ClO_3$
gallamini triethiodidum gallamine triethiodide	1,2,3-tris(2-diethylaminoethoxy)benzene triethiodide $C_{30}H_{60}I_3N_3O_3$
glicondamidum glicondamide	1-[[ <i>p</i> -(2-(5-chloro- <i>o</i> -anisamido)ethyl)phenyl]sulfonyl]-3-methylurea $C_{18}H_{20}ClN_3O_5S$
glisamuridum glisamuride	1-methyl-3-[ <i>p</i> -[[3-(4-methylcyclohexyl)ureido]sulfonyl]phenethyl]-1-(2-pyridyl)-urea $C_{23}H_{31}N_5O_4S$
haloxonum haloxon	3-chloro-7-hydroxy-4-methylcoumarin bis(2-chloroethyl)phosphate $C_{14}H_{14}Cl_3O_5P$
heparinum heparin	sodium salt of a complex organic acid having the characteristic property of delaying the clotting of blood
imcarbofosum imcarbofos	tetraethyl [(2-methoxy- <i>p</i> -phenylene)bis(imino(thiocarbonyl))]diphosphoramide $C_{17}H_{30}N_4O_7P_2S_2$
indorenatum indorenate	methyl ( $\pm$ )- $\alpha$ -(aminomethyl)-5-methoxyindole-3-acetate $C_{13}H_{16}N_2O_3$
ipexidinum ipexidine	1,1'-[1,4-piperazinediylbis(trimethyleneiminoimidocarbonyl)]bis[3-hexylurea] $C_{26}H_{54}N_{10}O_2$
isoxaprololum isoxaprolol	( $\pm$ )-( <i>E</i> )-1-( <i>tert</i> -butylamino)-3-[ <i>o</i> -[2-(3-methyl-5-isoxazolyl)vinyl]phenoxy]-2-propanol $C_{19}H_{28}N_2O_3$
levomethadonum levomethadone	(-)-( <i>R</i> )-6-(dimethylamino)-4,4-diphenyl-3-heptanone $C_{21}H_{27}NO$
lindanum lindane	$\gamma$ -1,2,3,4,5,6-hexachlorocyclohexane $C_6H_6Cl_6$
lodiperonum lodiperone	5-[2-[4-(3,5-dichlorophenyl)-1-piperazinyl]ethyl]-4-( <i>p</i> -fluorophenyl)-4-oxazolin-2-one $C_{21}H_{20}Cl_2FN_3O_2$
lonaprofenum lonaprofen	methyl 2-[(1-chloro-2-naphthyl)oxy]propionate $C_{14}H_{13}ClO_3$
loprazolamum loprazolam	6-( <i>o</i> -chlorophenyl)-2,4-dihydro-2-[(4-methyl-1-piperazinyl)methylene]-8-nitro-1 <i>H</i> -imidazo[1,2- <i>a</i> ][1,4]benzodiazepin-1-one $C_{23}H_{21}ClN_5O_3$
lorapridum lorapride	5-chloro- <i>N</i> '-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxysulfanilamide $C_{14}H_{22}ClN_3O_3S$
lotifazolum lotifazole	2,2,2-trichloroethyl 4-phenyl-2-thiazolecarbamate $C_{12}H_9Cl_3N_2O_2S$
lozilurea lozilurea	1-( <i>m</i> -chlorobenzyl)-3-ethylurea $C_{10}H_{13}ClN_2O$
luprostiolum luprostirol	( $\pm$ )-( <i>Z</i> )-7-[(1 <i>R</i> *,2 <i>S</i> *,3 <i>S</i> *,5 <i>R</i> *)-2-[[{(2 <i>R</i> *)-3-( <i>m</i> -chlorophenoxy)-2-hydroxypropyl]thio]-3,5-dihydroxycyclopentyl]-5-heptenoic acid $C_{21}H_{29}ClO_6S$
malotilatam malotilate	diisopropyl 1,3-dithiole- $\Delta^{2,\alpha}$ -malonate $C_{12}H_{18}O_4S_2$

*Recommended International  
Nonproprietary Name (Latin, English)*

*Chemical Name or Description and Molecular Formulae*

maripitilinum maripitiline	1a,10b-dihydrodibenzo[ <i>a,e</i> ]cyclopropa[ <i>c</i> ]cyclohepten-6(1 <i>H</i> )-one <i>O</i> -(2-aminoethyl)oxime $C_{16}H_{18}N_2O$
meclonazepamum meclonazepam	(+)-(S)-5-( <i>o</i> -chlorophenyl)-1,3-dihydro-3-methyl-7-nitro-2 <i>H</i> -1,4-benzodiazepin-2-one $C_{16}H_{12}ClN_3O_3$
mequitazinum mequitazine	10-(3-quinuclidinylmethyl)phenothiazine $C_{20}H_{22}N_2S$
meteneprostum meteneprost	(Z)-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-4,4-dimethyl-1-octenyl]-5-methylenecyclopentyl]-5-heptenoic acid $C_{22}H_{34}O_4$
metkefamidum metkefamide	L-tyrosyl-D-alanylglycyl-L-phenylalanyl-N <sup>2</sup> -methyl-L-methioninamide $C_{29}H_{40}N_6O_6S$
metrazifonum metrazifone	5,6-bis[ <i>p</i> -(dimethylamino)phenyl]-2-methyl- <i>as</i> -triazin-3(2 <i>H</i> )-one $C_{20}H_{23}N_5O$
niastatinum niastatin	(1 <i>S</i> ,7 <i>S</i> ,8 <i>S</i> ,8 <i>aR</i> )-1,2,3,7,8,8 <i>a</i> -hexahydro-7-methyl-8-[2-[(2 <i>R</i> ,4 <i>R</i> )-tetrahydro-4-hydroxy-6-oxo-2 <i>H</i> -pyran-2-yl]ethyl]-1-naphthyl (S)-2-methylbutyrate $C_{23}H_{34}O_5$
micinicum micinicate	nicotinic acid, ester with <i>cis</i> -3,3,5-trimethylcyclohexyl (±)-mandelate $C_{23}H_{27}NO_4$
mitoxantronum mitoxantrone	1,4-dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]anthraquinone $C_{22}H_{24}N_4O_6$
moclobemidum moclobemide	<i>p</i> -chloro- <i>N</i> -(2-morpholinoethyl)benzamide $C_{13}H_{17}ClN_2O_2$
moxadolenum moxadolen	methylcarbamic acid, ester with (3 <i>R</i> *,3 <i>aR</i> *,4 <i>S</i> *,7 <i>R</i> *,7 <i>aS</i> *)-3 <i>a</i> ,4,7,7 <i>a</i> -tetrahydro-3-hydroxy-4,7-methanoisobenzofuran-1(3 <i>H</i> )-one $C_{11}H_{13}NO_4$
naboctatum naboctate	7,8,9,10-tetrahydro-6,6,9-trimethyl-3-(1-methoctyl)-6 <i>H</i> -dibenzo[ <i>b,d</i> ]pyran-1-yl-4-(diethylamino)butyrate $C_{35}H_{53}NO_3$
nabumetonum nabumetone	4-(6-methoxy-2-naphthyl)-2-butanone $C_{15}H_{16}O_2$
nandrolonum nandrolone	17β-hydroxyestr-4-en-3-one $C_{18}H_{26}O_2$
nicoxamatum nicoxamat	nicotinohydroxamic acid $C_6H_8N_2O_2$
nileprostum nileprost	( <i>E</i> )-(3 <i>aR</i> ,4 <i>R</i> ,5 <i>R</i> ,6 <i>aS</i> )-δ-cyano-3,3 <i>a</i> ,4,5,6,6 <i>a</i> -hexahydro-5-hydroxy-4-[( <i>E</i> )-(3 <i>S</i> ,4 <i>RS</i> )-3-hydroxy-4-methyl-1-octenyl]-2 <i>H</i> -cyclopenta[ <i>b</i> ]furan-Δ <sup>2,6</sup> -valeric acid $C_{22}H_{33}NO_5$
nimesulidum nimesulide	4'-nitro-2'-phenoxyethanesulfonanilide $C_{13}H_{12}N_2O_5S$
nitazoxanidum nitazoxanide	<i>N</i> -(5-nitro-2-thiazolyl)salicylamide acetate (ester) $C_{12}H_9N_3O_5S$
nizofenonum nizofenone	2'-chloro-2-[2-[(diethylamino)methyl]imidazol-1-yl]-5-nitrobenzophenone $C_{21}H_{21}ClN_4O_3$

nofecainidum nofecainide	3-[2-hydroxy-3-(isopropylamino)propoxy]-2-phenylphthalimidine C <sub>20</sub> H <sub>24</sub> N <sub>2</sub> O <sub>3</sub>
nonaperonum nonaperone	4-(3-azabicyclo[3.2.2]non-3-yl)-4'-fluorobutyrophenone C <sub>18</sub> H <sub>24</sub> FNO
norepinephrinum norepinephrine	(-)- $\alpha$ -(aminoethyl)protocatechuyl alcohol C <sub>8</sub> H <sub>11</sub> NO <sub>3</sub>
omoconazolum omoconazole	(E)-1-[2,4-dichloro- $\beta$ -[2-(p-chlorophenoxy)ethoxy]- $\alpha$ -methylstyryl]imidazole C <sub>20</sub> H <sub>17</sub> Cl <sub>3</sub> N <sub>2</sub> O <sub>2</sub>
oxaprotilinum oxaprotiline	$\alpha$ -[(methylamino)methyl]-9,10-ethanoanthracene-9(10H)-ethanol C <sub>20</sub> H <sub>23</sub> NO
oxazafonum oxazafone	2'-benzoyl-4'-chloro-2-[(2-hydroxymethyl)methylamino]-N-methylacetanilide C <sub>19</sub> H <sub>21</sub> ClN <sub>2</sub> O <sub>3</sub>
oxfenicinum oxfenicine	L-2-(p-hydroxyphenyl)glycine C <sub>8</sub> H <sub>9</sub> NO <sub>3</sub>
oxmetidinum oxmetidine	2-[[2-[[[5-methylimidazol-4-yl)methyl]thio]ethyl]amino]-5-piperonyl-4(1H)-pyr- midinone C <sub>19</sub> H <sub>21</sub> N <sub>5</sub> O <sub>3</sub> S
oxoprostolum oxoprostol	(±)-trans-2-(7-hydroxyheptyl)-3-(3-oxo-4-phenoxybutyl)cyclopentanone C <sub>22</sub> H <sub>32</sub> O <sub>4</sub>
pacrinololum pacrinolol	(-)-p-[3-[(3,4-dimethoxyphenethyl)amino]-2-hydroxypropoxy]- $\beta$ -methyl- cinnamionitrile C <sub>23</sub> H <sub>28</sub> N <sub>2</sub> O <sub>4</sub>
pefloxacinum pefloxacin	1-ethyl-6-fluoro-1,4-dihydro-7-(4-methyl-1-piperazinyl)-4-oxo-3-quinolinecar- boxylic acid C <sub>17</sub> H <sub>20</sub> FN <sub>3</sub> O <sub>3</sub>
peplomycinum peplomycin	N <sup>1</sup> -[3-[[[S]- $\alpha$ -methylbenzyl]amino]propyl]bleomycinamide C <sub>51</sub> H <sub>84</sub> N <sub>12</sub> O <sub>21</sub> S <sub>2</sub>
perafensinum perafensine	1-phenyl-3-(1-piperazinyl)isoquinoline C <sub>19</sub> H <sub>19</sub> N <sub>3</sub>
perflunafenum perflunafene	octadecafluorodecahydronaphthalene C <sub>10</sub> F <sub>18</sub>
piclonidinum piclonidine	(±)-2-[2,6-dichloro-N-(tetrahydro-2H-pyran-2-yl)anilino-2-imidazoline C <sub>14</sub> H <sub>17</sub> Cl <sub>2</sub> N <sub>3</sub> O
pirisudanolum pirisudanol	2-(dimethylamino)ethyl [5-hydroxy-4-(hydroxymethyl)-6-methyl-3- pyridyl]methyl succinate C <sub>16</sub> H <sub>24</sub> N <sub>2</sub> O <sub>6</sub>
poloxalenum poloxalene	liquid nonionic surfactant polymer of the polyoxypropylene polyoxyethylene type, having a molecular weight of approximately 3000, of which approximately 67% is polyoxypropylene
prednicarbatum prednicarbate	11 $\beta$ ,17,21-trihydroxypregna-1,4-diene-3,20-dione 17-(ethyl carbonate) 21-propio- nate C <sub>27</sub> H <sub>36</sub> O <sub>8</sub>
premazepamum premazepam	3,7-dihydro-6,7-dimethyl-5-phenylpyrrolo[3,4-e]-1,4-diazepin-2(1H)-one C <sub>15</sub> H <sub>15</sub> N <sub>3</sub> O
prizidilolum prizidilol	1-(tert-butylamino)-3-[ $\sigma$ -(6-hydrazino-3-pyridazinyl)phenoxy]-2-propanol C <sub>17</sub> H <sub>25</sub> N <sub>5</sub> O <sub>2</sub>



propenidazolum propenidazole	ethyl <i>trans</i> - $\alpha$ -acetyl-1-methyl-5-nitroimidazole-2-acrylate $C_{11}H_{13}N_3O_5$
propiverinum propiverine	1-methyl-4-piperidyl diphenylpropoxyacetate $C_{23}H_{29}NO_3$
pyricarbium pyricarbate	2,6-pyridinediyl dimethylene bis(methylcarbamate) $C_{11}H_{15}N_3O_4$
pyrithyldionum pyrithyldione	3,3-diethyl-2,4(1 <i>H</i> ,3 <i>H</i> )-pyridinedione $C_9H_{13}NO_2$
rescimetolum rescimetol	methyl 18 $\beta$ -hydroxy-11,17 $\alpha$ -dimethoxy-3 $\beta$ ,20 $\alpha$ -yohimban-16 $\beta$ -carboxylate ( <i>E</i> )-4-hydroxy-3-methoxycinnamate (ester) $C_{33}H_{38}N_2O_8$
rolicyclidinum rolicyclidine	1-(1-phenylcyclohexyl)pyrrolidine $C_{15}H_{23}N$
spirorenonum spirorenone	(6 <i>R</i> ,7 <i>R</i> ,8 <i>R</i> ,9 <i>S</i> ,10 <i>R</i> ,13 <i>S</i> ,14 <i>R</i> ,15 <i>S</i> ,16 <i>S</i> ,17 <i>S</i> )-3',4',6,7,8,9,11,12,13,14,15,16,20,21-tetra-decahydro-10,13-dimethylspiro[17 <i>H</i> -dicyclopropa[6,7:15,16]cyclopenta[ <i>a</i> ]phen-athrene-17,2'(5' <i>H</i> )-furan]-3(10 <i>H</i> ),5'-dione or hydroxy-6 $\beta$ ,7 $\beta$ :15 $\beta$ ,16 $\beta$ -dimethyl-ene-3-oxo-17 $\alpha$ -pregna-1,4-diene-21-carboxylic acid, $\gamma$ -lactone $C_{24}H_{28}O_3$
sudexanoxum sudexanox	<i>S</i> -(7-carboxy-4-hexyl-9-oxoxanthen-2-yl)- <i>S</i> -methylsulfoximine $C_{21}H_{23}NO_5S$
sulbactamum sulbactam	(2 <i>S</i> ,5 <i>R</i> )-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid 4,4-dioxide $C_8H_{11}NO_5S$
sulverapridum sulverapride	<i>N</i> -[[(1-methyl-2-pyrrolidinyl)methyl]-5-(methylsulfamoyl)- <i>o</i> -veratramide $C_{16}H_{25}N_3O_5S$
surfomerum surfomer	poly(1,2-dicarboxy-3-hexadecyltetramethylene) ( $C_{22}H_{40}O_4$ ) <sub>n</sub>
tendamistatum tendamistat	an $\alpha$ -amylase inhibiting polypeptide obtained from cultures of <i>Streptomyces tendae</i>
tenocyclidinum tenocyclidine	1-[1-(2-thienyl)cyclohexyl]piperidine $C_{15}H_{23}NS$
tenoxicamum tenoxicam	4-hydroxy-2-methyl- <i>N</i> -2-pyridyl-2 <i>H</i> -thieno[2,3- <i>e</i> ]-1,2-thiazine-3-carboxamide 1,1-dioxide $C_{13}H_{11}N_3O_4S_2$
terazosinum terazosin	1-(4-amino-6,7-dimethoxy-2-quinazolinyl)-4-(tetrahydro-2-furoyl)piperazine $C_{19}H_{25}N_5O_4$
terciprazinum terciprazine	( $\pm$ )- $\alpha$ -[[[1-ethynylcyclohexyl]oxy]methyl]-4-( $\alpha,\alpha,\alpha$ -trifluoro- <i>m</i> -tolyl)-1-piperazineethanol $C_{22}H_{29}F_3N_2O_2$
terconazolum terconazole	<i>cis</i> -1-[ <i>p</i> -[[2-(2,4-dichlorophenyl)-2-(1 <i>H</i> -1,2,4-triazol-1-yl)methyl]-1,3-dioxolan-4-yl]methoxy]phenyl]-4-isopropylpiperazine $C_{26}H_{31}Cl_2N_5O_3$
thymostimulinum thymostimulin	polypeptide immunostimulant factor extracted from thymus of mammalian species. The source of the product should be indicated, e.g. thymostimulin (calf).
tianeptinum tianeptine	7-[(3-chloro-6,11-dihydro-6-methyldibenzo[ <i>c,f</i> ][1,2]thiazepin-11-yl)amino]hepta-noic acid <i>S,S</i> -dioxide $C_{21}H_{25}ClN_2O_4S$

tiliquinolum tiliquinol	5-methyl-8-quinolinol C <sub>10</sub> H <sub>9</sub> NO
timegadinum timegadine	1-cyclohexyl-2-(2-methyl-4-quinolyl)-3-(2-thiazolyl)guanidine C <sub>20</sub> H <sub>23</sub> N <sub>5</sub> S
tinisulpridum tinisulpride	5-[[[1,1-dimethyl-2-propynyl)sulfamoyl]-N-[[1-ethyl-2-pyrrolidinyl)methyl]-o- anisamide C <sub>20</sub> H <sub>29</sub> N <sub>3</sub> O <sub>4</sub> S
tiotidinum tiotidine	2-cyano-1-[2-[[[2-[[[diaminomethylene)amino]-4-thiazolyl)methyl]thio]ethyl]-3- methylguanidine C <sub>10</sub> H <sub>16</sub> N <sub>6</sub> S <sub>2</sub>
tipropidilum tipropidil	1-[p-(isopropylthio)phenoxy]-3-(octylamino)-2-propanol C <sub>20</sub> H <sub>35</sub> NO <sub>2</sub> S
tobuterolum tobuterol	(±)-5-[2-(tert-butylamino)-1-hydroxyethyl]-m-phenylene di-p-toluate C <sub>28</sub> H <sub>31</sub> NO <sub>5</sub>
tolfamidum tolfamide	N-(diaminophosphinyl)-o-toluamide C <sub>8</sub> H <sub>12</sub> N <sub>3</sub> O <sub>2</sub> P
tracazolatum tracazolate	ethyl 4-(butylamino)-1-ethyl-6-methyl-1H-pyrazolo[3,4-b]pyridine-5-carboxylate C <sub>18</sub> H <sub>24</sub> N <sub>4</sub> O <sub>2</sub>
triclabendazolum triclabendazole	5-chloro-6-(2,3-dichlorophenoxy)-2-(methylthio)benzimidazole C <sub>14</sub> H <sub>9</sub> Cl <sub>3</sub> N <sub>2</sub> OS
tricosactidum tricosactide	23-L-tyrosinamide-α <sup>1-23</sup> -corticotropin C <sub>131</sub> H <sub>204</sub> N <sub>40</sub> O <sub>28</sub> S
tripamidum tripamide	4-chloro-N-(endo-hexahydro-4,7-methanoisindolin-2-yl)-3-sulfamoylbenza- mide C <sub>16</sub> H <sub>20</sub> ClN <sub>3</sub> O <sub>3</sub> S
vinburninum vinburnine	3α,16α-eburnamonine C <sub>19</sub> H <sub>22</sub> N <sub>2</sub> O
xenipentonum xenipentone	(E)-4-(4-biphenyl)-3-penten-2-one C <sub>17</sub> H <sub>16</sub> O
zinviroximum zinviroxime	(Z)-2-amino-6-benzoyl-1-(isopropylsulfonyl)benzimidazole oxime C <sub>17</sub> H <sub>18</sub> N <sub>4</sub> O <sub>3</sub> S