

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. INN): List 28²

<i>Recommended International Nonproprietary Name (Latin, English)</i>	<i>Chemical Name or Description and Molecular Formulae</i>
alaninum alanine	L-alanine C ₃ H ₇ NO ₂
alonacicum alonacic	<i>N</i> -[[<i>(2R,4R)</i> -2-methyl-4-thiazolidinyl]carbonyl]-β-alanine, methyl ester C ₉ H ₁₆ N ₂ O ₃ S
ansoxtinum ansoxtine	(±)-6-[[α-[2-(dimethylamino)ethyl]benzyl]oxy]flavone C ₂₆ H ₂₅ NO ₃
atipamezolum atipamezole	4-(2-ethyl-2-indanyl)imidazole C ₁₄ H ₁₆ N ₂
azithromycinum azithromycin	(<i>2R,3S,4R,5R,8R,10R,11R,12S,13S,14R</i>)-13-[(2,6-dideoxy-3- <i>C</i> -methyl-3- <i>O</i> -methyl-α- <i>L</i> -ribo-hexopyranosyl)oxy]-2-ethyl-3,4,10-trihydroxy-3,5,6,8,10,12,14-heptamethyl-11-[[3,4,6-trideoxy-3-(dimethylamino)-β- <i>D</i> -xylo-hexopyranosyl]oxy]-1-oxa-6-azacyclopentadecan-15-one C ₃₈ H ₇₂ N ₂ O ₁₂
bamaluzolum bamaluzole	4-[(<i>o</i> -chlorobenzyl)oxy]-1-methyl-1 <i>H</i> -imidazo[4,5- <i>c</i>]pyridine C ₁₄ H ₁₂ ClN ₃ O
benafentrinum benafentrine	<i>cis</i> -4'-(1,2,3,4,4a,10b-hexahydro-8,9-dimethoxy-2-methylbenzo[<i>c</i>][1,6]naphthyridin-6-yl)acetanilide C ₂₃ H ₂₇ N ₃ O ₃

¹ *Off. Rec. Wld Hlth Org.*, 1955, **60**, 3 (Resolution EB15.R7); 1969, **1973**, 10 (Resolution EB43.R9).

² Other lists of recommended international nonproprietary names can be found in *Cumulative List No. 6, 1982*.

benazeprilat benazeprilat	(3 <i>S</i>)-3-[[[(1 <i>S</i>)-1-carboxy-3-phenylpropyl]amino]-2,3,4,5-tetrahydro-2-oxo-1 <i>H</i> -benzazepine-1-acetic acid C ₂₂ H ₂₄ N ₂ O ₅
benazeprilum benazepril	(3 <i>S</i>)-3-[[[(1 <i>S</i>)-1-carboxy-3-phenylpropyl]amino]-2,3,4,5-tetrahydro-2-oxo-1 <i>H</i> -benzazepine-1-acetic acid, 3-ethyl ester C ₂₄ H ₂₈ N ₂ O ₅
bendacolum bendacolor	(<i>αR,α'S,2S,2'R</i>)- <i>α,α'</i> -(iminodimethylene)bis[1,4-benzodioxan-2-methanol] C ₂₀ H ₂₃ NO ₆
benidipinum benidipine	(±)-(R*)-3-[(R*)-1-benzyl-3-piperidyl] methyl 1,4-dihydro-2,6-dimethyl-4-(<i>m</i> -nitrophenyl)-3,5-pyridinedicarboxylate C ₂₈ H ₃₁ N ₅ O ₆
benzetimidum benzetimide	(±)-2-(1-benzyl-4-piperidyl)-2-phenylglutarimide C ₂₃ H ₂₆ N ₂ O ₂
brequinarum brequinar	6-fluoro-2-(2'-fluoro-4-biphenyl)-3-methyl-4-quinolinecarboxylic acid C ₂₃ H ₁₅ F ₂ NO ₂
brolaconazolum brolaconazole	(±)-1-(<i>p</i> -bromo-β-phenylphenethyl)imidazole C ₁₇ H ₁₅ BrN ₂
cetamololum cetamolol	(±)-2-[<i>o</i> -[3-(<i>tert</i> -butylamino)-2-hydroxypropoxy]phenoxy]- <i>N</i> -methylacetamide C ₁₈ H ₂₆ N ₂ O ₄
clanfenum clanfenu	1-(<i>p</i> -chlorophenyl)-3-(6-fluoro- <i>N,N</i> -dimethylanthraniloyl)urea C ₁₆ H ₁₅ ClFN ₃ O ₂
clipoxaminum clipoxamine	(±)-(α <i>R</i> *)-3-hydroxy-4-methyl-α-[(1 <i>S</i> *)-1-[(3-phenylpropyl)amino]ethyl]benzyl alcohol C ₁₉ H ₂₅ NO ₂
crisnatolum crisnatol	2-[(6-chrysenylmethyl)amino]-2-methyl-1,3-propanediol C ₂₃ H ₂₃ NO ₂
cromakalimum cromakalim	(±)- <i>trans</i> -3-hydroxy-2,2-dimethyl-4-(2-oxo-1-pyrrolidinyl)-6-chromancarbonitrile C ₁₆ H ₁₈ N ₂ O ₃
cysteinum cysteine	L-cysteine C ₃ H ₇ NO ₂ S
dalbraminolum dalbraminol	(±)-1-phenoxy-3-[[2-[(1,3,5-trimethylpyrazol-4-yl)amino]ethyl]amino]-2-propanol C ₁₇ H ₂₆ N ₄ O ₂
denipridum denipride	(±)-4-amino-5-nitro- <i>N</i> -[1-(tetrahydrofurfuryl)-4-piperidyl]- <i>o</i> -anisamide C ₁₈ H ₂₆ N ₄ O ₅
deprodonum deprodone	11β,17-dihydroxypregna-1,4-diene-3,20-dione C ₂₁ H ₂₈ O ₄
derpanicatum derpanicate	nicotinic acid, tetraester with <i>N,N'</i> -[dithiobis(ethyleneiminocarbonyl-ethylene)]bis[(<i>R</i>)-2,4-dihydroxy-3,3-dimethylbutyramide] C ₄₆ H ₅₄ N ₈ O ₁₂ S ₂

doreptidum doreptide	(2 <i>S</i>)- <i>N</i> -[(<i>αR</i>)- <i>α</i> -[(carbamoylmethyl)carbamoyl]- <i>α</i> -ethylbenzyl]-2-pyrrolidinecarboxamide C ₁₇ H ₂₄ N ₄ O ₃
doxacurii chloridum doxacurium chloride	(1 <i>R</i> ,2 <i>S</i> ;1 <i>S</i> ,2 <i>R</i>)-1,2,3,4-tetrahydro-2-(3-hydroxypropyl)-6,7,8-trimethoxy-2-methyl-1-(3,4,5-trimethoxybenzyl)isoquinolinium chloride, succinate (2:1) C ₅₆ H ₇₈ Cl ₂ N ₂ O ₁₆
efetozolum efetozole	(±)-2-methyl-1-(<i>α</i> -methylbenzyl)imidazole C ₁₂ H ₁₄ N ₂
flutemazepamum flutemazepam	7-chloro-5-(<i>o</i> -fluorophenyl)-1,3-dihydro-3-hydroxy-1-methyl-2 <i>H</i> -1,4-benzodiazepin-2-one C ₁₆ H ₁₂ ClFN ₂ O ₂
gepironum gepirone	3,3-dimethyl- <i>N</i> -[4-[4-(2-pyrimidinyl)-1-piperaziny]butyl]glutarimide C ₁₉ H ₂₉ N ₅ O ₂
histidinum histidine	L-histidine C ₆ H ₉ N ₃ O ₂
ibudilastum ibudilast	1-(2-isopropylpyrazolo[1,5- <i>a</i>]pyridin-3-yl)-2-methyl-1-propanone C ₁₄ H ₁₈ N ₂ O
idenastum idenast	2-[4-[4-(<i>p</i> -fluorophenyl)-1-piperaziny]butyl]-1-(<i>p</i> -methoxyphenyl)-3-indazolinone C ₂₈ H ₃₁ FN ₄ O ₂
insulinum arginum insulin argine	30 ^a <i>a</i> -L-arginine-30 ^b <i>b</i> -L-arginineinsulin (human) C ₂₆₉ H ₄₀₇ N ₇₃ O ₇₉ S ₆
irsogladinum irsogladine	2,4-diamino-6-(2,5-dichlorophenyl)- <i>s</i> -triazine C ₉ H ₇ Cl ₂ N ₅
isamoltanum isamoltan	(±)-1-(isopropylamino)-3-(<i>o</i> -pyrrol-1-ylphenoxy)-2-propanol C ₁₆ H ₂₂ N ₂ O ₂
isoleucinum isoleucine	L-isoleucine C ₆ H ₁₃ NO ₂
leucinum leucine	L-leucine C ₆ H ₁₃ NO ₂
levdropropizinum levdropropizine	(-)-(<i>S</i>)-3-(4-phenyl-1-piperaziny)-1,2-propanediol C ₁₃ H ₂₀ N ₂ O ₂
levomoprololum levomoprolol	(-)-(<i>S</i>)-1-(isopropylamino)-3-(<i>o</i> -methoxyphenoxy)-2-propanol C ₁₃ H ₂₁ NO ₃
libenzaprilum libenzapril	<i>N</i> ² -[(3 <i>S</i>)-1-(carboxymethyl)-2,3,4,5-tetrahydro-2-oxo-1 <i>H</i> -1-benzazepin-3-yl]-L-lysine C ₁₈ H ₂₅ N ₃ O ₅
linsidominum linsidomine	3-morpholinosydnone imine C ₆ H ₁₀ N ₄ O ₂

lomefloxacinum lomefloxacin	(±)-1-ethyl-6,8-difluoro-1,4-dihydro-7-(3-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid C ₁₇ H ₁₉ F ₂ N ₃ O ₃
lysinum lysine	L-lysine C ₆ H ₁₄ N ₂ O ₂
mivacurii chloridum mivacurium chloride	(<i>R</i>)-1,2,3,4-tetrahydro-2-(3-hydroxypropyl)-6,7-dimethoxy-2-methyl-1-(3,4,5-trimethoxybenzyl)isoquinolinium chloride, (<i>E</i>)-4-octenedioate (2:1) C ₅₈ H ₈₀ Cl ₂ N ₂ O ₁₄
montirelinum montirelin	<i>N</i> -[[3 <i>R</i> ,6 <i>R</i>]-6-methyl-5-oxo-3-thiomorpholinyl]carbonyl]-L-histidyl-L-prolinamide C ₁₇ H ₂₄ N ₆ O ₄ S
moveltiprilum moveltipril	(-)-1-[(2 <i>S</i>)-3-mercapto-2-methylpropionyl]-L-proline, ester with <i>N</i> -(cyclohexylcarbonyl)thio-D-alanine C ₁₉ H ₃₀ N ₂ O ₅ S
naxaprostenum naxaprostene	α -[(2 <i>E</i> ,3 <i>aS</i> ,4 <i>R</i> ,5 <i>R</i> ,6 <i>aS</i>)-4-[(1 <i>E</i> ,3 <i>S</i>)-3-cyclohexyl-3-hydroxypropenyl]hexahydro-5-hydroxy-2(1 <i>H</i>)-pentalenylidene]- <i>m</i> -toluic acid C ₂₅ H ₃₂ O ₄
neraminolum neraminol	(±)-1-(1 <i>H</i> -indazol-4-yloxy)-3-[[2-(2,6-xylidino)ethyl]amino]-2-propanol C ₂₀ H ₂₆ N ₄ O ₂
norfloxacinum succinilum norfloxacin succinil	7-[4-(3-carboxypropionyl)-1-piperazinyl]-1-ethyl-6-fluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid C ₂₀ H ₂₂ FN ₃ O ₆
onapristonum onapristone	11 β -[<i>p</i> -(dimethylamino)phenyl]-17 α -hydroxy-17-(3-hydroxypropyl)-13 α -estra-4,9-dien-3-one C ₂₉ H ₃₉ NO ₃
ornithinum ornithine	L-ornithine C ₅ H ₁₂ N ₂ O ₂
orotirelinum orotirelin	<i>N</i> -[(1,2,3,6-tetrahydro-2,6-dioxo-4-pyrimidinyl)carbonyl]-L-histidyl-L-prolinamide C ₁₆ H ₁₉ N ₇ O ₅
palatriginum palatrigine	5-amino-6-(2,3-dichlorophenyl)-2,3-dihydro-3-imino-2-isopropyl- <i>as</i> -triazine C ₁₂ H ₁₃ Cl ₂ N ₅
panomifenum panomifene	(<i>E</i>)-2-[[2-[<i>p</i> -(3,3,3-trifluoro-1,2-diphenylpropenyl)phenoxy]ethyl]amino]ethanol C ₂₅ H ₂₄ F ₃ NO ₂
pemedolacum pemedolac	(±)-4-benzyl-1-ethyl-1,3,4,9-tetrahydropyrano[3,4- <i>b</i>]indole-1-acetic acid C ₂₂ H ₂₃ NO ₃
perbufyllinum perbufylline	7-[4-[4-(<i>p</i> -fluorobenzoyl)piperidino]butyl]theophylline C ₂₃ H ₂₈ FN ₅ O ₃
phenylalaninum phenylalanine	L-phenylalanine C ₉ H ₁₁ NO ₂

pirazmonamum pirazmonam	2-[[[(2-amino-4-thiazolyl)[[1-[[[3-(1,4-dihydro-5-hydroxy-4-oxopicolinamido)-2-oxo-1-imidazolidiny]sulfony]carbamoyl]-2-oxo-3-azetidiny]carbamoyl]-methylene]amino]oxy]-2-methylpropionic acid C ₂₂ H ₂₄ N ₁₀ O ₁₂ S ₂
ponalrestatum ponalrestat	3-(4-bromo-2-fluorobenzyl)-3,4-dihydro-4-oxo-1-phthalazineacetic acid C ₁₇ H ₁₂ BrFN ₂ O ₃
pramipexolum pramipexole	(S)-2-amino-4,5,6,7-tetrahydro-6-(propylamino)benzothiazole C ₁₀ H ₁₇ N ₃ S
prolinum proline	L-proline C ₅ H ₉ NO ₂
quinaprilum quinapril	(S)-2-[(S)-N-[(S)-1-carboxy-3-phenylpropyl]alanyl]-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid, 1-ethyl ester C ₂₅ H ₃₀ N ₂ O ₅
rilozarolum rilozarone	1-bromo-2-phenyl-3-indoliziny 3-chloro-4-[3-(dibutylamino)propoxy]phenyl ketone C ₃₂ H ₃₆ BrClN ₂ O ₂
romifidinum romifidine	2-(2-bromo-6-fluoroanilino)-2-imidazoline C ₉ H ₉ BrFN ₃
salmisteinum salmisteine	N-acetyl-L-cysteine salicylate (ester), acetate (ester) C ₁₄ H ₁₅ NO ₆ S
saruplasum saruplase	prourokinase (enzyme activating) (human clone pUK 4/pUK 18 protein moiety reduced) C ₂₀₃₁ H ₃₁₄₅ N ₅₈₅ O ₆₀₁ S ₃₁
selprazinum selprazine	6-[3-[4-(o-ethoxyphenyl)-1-piperazinyl]propoxy]-3,4-dihydrocarbostyryl C ₂₄ H ₃₁ N ₃ O ₃
sematilidum sematilide	N-[2-(diethylamino)ethyl]-p-methanesulfonamidobenzamide C ₁₄ H ₂₃ N ₃ O ₃ S
serinum serine	L-serine C ₃ H ₇ NO ₃
setastinum setastine	1-[2-[(p-chloro-α-methyl-α-phenylbenzyl)oxy]ethyl]hexahydro-1H-azepine C ₂₂ H ₂₈ ClNO
sevopramidum sevopramide	(±)-α-benzamido-p-[3-(diethylamino)propoxy]-N,N-dipropylhydro-cinnamamide. C ₂₉ H ₄₃ N ₃ O ₃
simvastatinum simvastatin	2,2-dimethylbutyric acid, 8-ester with (4R,6R)-6-[2-[(1S,2S,6R,8S,8aR)-1,2,6,7,8,8a-hexahydro-8-hydroxy-2,6-dimethyl-1-naphthyl]ethyl]tetrahydro-4-hydroxy-2H-pyran-2-one C ₂₅ H ₃₈ O ₅
somidobovum somidobove	1-[N ² -[N-[N-[N-[N-[N-[1-(N-L-methionyl-L-phenylalanyl)-L-prolyl]-L-leucyl]-L-aspartyl]-L-aspartyl]-L-aspartyl]-L-aspartyl]-L-lysine]growth hormone (ox) C ₁₀₂₀ H ₁₅₉₆ N ₂₇₄ O ₃₀₂ S ₉

sornidipinum sornidipine	(+)-1,4-dihydro-2,6-dimethyl-4-(<i>o</i> -nitrophenyl)-3,5-pyridinedicarboxylic acid, methyl ester, 5-ester with 1,4: 3,6-dianhydro- <i>D</i> -glucitol C ₂₂ H ₂₄ N ₂ O ₉
sudismasum sudismase	<i>N</i> -acetylsuperoxide dismutase (human clone pS 61-10 copper-zinc subunit protein moiety reduced) C ₆₈₁ H ₁₀₈₇ N ₂₀₃ O ₂₂₃ S ₄
taprostenum taprostene	α -[(2 <i>Z</i> ,3 <i>aR</i> ,4 <i>R</i> ,5 <i>R</i> ,6 <i>aS</i>)-4-[(1 <i>E</i> ,3 <i>S</i>)-3-cyclohexyl-3-hydroxypropenyl]hexahydro-5-hydroxy-2 <i>H</i> -cyclopenta[<i>b</i>]furan-2-ylidene]- <i>m</i> -toluic acid C ₂₄ H ₃₀ O ₅
taurinum taurine	taurine C ₂ H ₇ NO ₃ S
tepoxalinum tepoxalin	5-(<i>p</i> -chlorophenyl)-1-(<i>p</i> -methoxyphenyl)- <i>N</i> -methylpyrazole-3-propionohydroxamic acid C ₂₀ H ₂₀ ClN ₃ O ₃
texacromilum texacromil	(±)-5-[2-hydroxy-3-(methylthio)propoxy]-4-oxo-4 <i>H</i> -1-benzopyran-2-carboxylic acid C ₁₄ H ₁₄ O ₆ S
threoninum threonine	L-threonine C ₄ H ₉ NO ₃
tibenelastum tibenelast	5,6-diethoxybenzo[<i>b</i>]thiophene-2-carboxylic acid C ₁₃ H ₁₄ O ₄ S
traboxopinum traboxopine	(±)-2-chloro-12-[3-(dimethylamino)-2-methylpropyl]-12 <i>H</i> -dibenzo[<i>d,g</i>][1,3,6]-dioxazine C ₁₉ H ₂₃ ClN ₂ O ₂
tryptophanum tryptophan	L-tryptophan C ₁₁ H ₁₂ N ₂ O ₂
tyrosinum tyrosine	L-tyrosine C ₉ H ₉ NO ₃
ufiprazolum ufiprazole	5-methoxy-2-[[4-methoxy-3,5-dimethyl-2-pyridyl)methyl]thio]benzimidazole C ₁₇ H ₁₉ N ₃ O ₂ S
valinum valine	L-valine C ₆ H ₁₁ NO ₂
zabiciprilum zabicipril	(3 <i>S</i>)-2-[(2 <i>S</i>)- <i>N</i> -[(1 <i>S</i>)-1-carboxy-3-phenylpropyl]alanyl]-2-azabicyclo[2.2.2]octane-3-carboxylic acid, 1-ethyl ester C ₂₃ H ₃₂ N ₂ O ₅