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, 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.

Pecommended International Nonproprietary Names (Mec. INN): List 28²

Recommended International Nonproprietary Name (Latin, English)

Chemical Name or Description and Molecular Formulae

alanınum alanine L-alanine C₃H₇NO₂

alonacicum alonacic N-[[(2RS,4R)-2-methyl-4-thiazolidinyl]carbonyl]- β -alanine, methyl ester

C₂H₁₅N₂O₃S

ansoxetinum

 (\pm) -6-[[a-[2-(dimethylamino)ethyl]benzyl]oxy]flavone $C_{26}H_{25}NO_3$

ansoxetine

4-(2-ethyl-2-indanyl)imidazole

atipamezolum atipamezole

C₁₄H₁₆N₂

azithromycinum azithromycin

(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-13-[(2,6-dideoxy-3-*C*-methyl-3-*O*-methyl-a-*L*-*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 -D-xylo-hexopyranosyl]-

oxy]-1-oxa-6-azacyclopentadecan-15-one

C38H72N2O12

bamaluzolum bamaluzole 4-[(o-chlorobenzyl]oxy]-1-methyl-1 H-imidazo[4,5-c]pyridine

C14H12CIN3O

benafentrinum benafentrine cis-4'-(1,2,3,4,4a,10b-hexahydro-8,9-dimethoxy-2-methylbenzo[c][1,6]naph

thyridin-6-yl)acetanilide

C23H27N3O3

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

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

| benazeprilatum benazeprilat | (3 S)-3-[[(1 S)-1-carboxy-3-phenylpropyl]amino]-2,3,4,5-tetrahydro-2-oxo-1 H -1-benzazepine-1-acetic acid $C_{22}H_{24}N_2O_5$ |
|---------------------------------|---|
| benazeprilum benazepril | (3.5)-3-[[(1.5)-1-carboxy-3-phenylpropyl]amino]-2,3,4,5-tetrahydro-2-oxo-1 H -1-benzazepine-1-acetic acid, 3-ethyl ester $C_{24}H_{28}N_2O_5$ |
| bendacololum bendacolol | $(\alpha R, \alpha' S, 2S, 2'R)$ - α, α' -(iminodimethylene)bis[1,4-benzodioxan-2-methanol] $C_{20}H_{23}NO_8$ |
| benidipinum benidipine | (\pm) - (R^*) -3-[(R^*) -1-benzyl-3-piperidyl] methyl 1,4-dihydro-2,6-dimethyl-4- $(m-1)$ -nıtrophenyl)-3,5-pyridinedicarboxylate $C_{2b}H_{31}N_3O_6$ |
| benzetimidum benzetimide | (\pm) -2-(1-benzyl-4-piperidyl)-2-phenylglutzrimide $C_{23}H_{25}N_{2}O_{2}$ |
| brequinarum brequinar | 6-fluoro-2-(2'-fluoro-4-biphenylyl)-3-methyl-4-quinolinecarboxylic acid $C_{zz}H_{1z}F_zNO_z$ |
| brolaconazolum brolaconazole | (\pm) -1-(p -bromo- eta -phenylphenethyl)imidazole ${ m C_{17}H_{15}BrN_2}$ |
| cetamololum cetamolol | (\pm)-2-{o-[3-(tert-butylamino)-2-hydroxypropoxy]phenoxy]-N-methylacetamide $\rm C_{16}H_{26}N_2O_4$ |
| clanfenurum cianfenur | 1-(p -chlorophenyl)-3-(6-fluoro- N , N -dimethylanthraniloyl)urea $C_{16}H_{15}CIFN_3O_2$ |
| clipoxaminum clipoxamine | (\pm)-(aR *)-3-hydroxy-4-methyl-a-[(1S*)-1-[(3-phenylpropyl)amino]ethyl]benzyl alcohol C $_{19}\rm{H}_{25}\rm{NO}_2$ |
| crisnatolum crisnatol | 2-[(6-chrysenylmethyl)amino]-2-methyl-1,3-propanediol $C_{z_3}H_{z_3}NO_2$ |
| cromakalimum cromakalim | (\pm)-trans-3-hydroxy-2,2-dimethyl-4-(2-oxo-1-pyrrolidinyl)-6-chromancarbonitrile $C_{1s}H_{1s}N_2O_3$ |
| cysteinum cysteine | L-cysteine C₃H₁NO₂S |
| dalbraminolum dalbraminol | (\pm) -1-phenoxy-3-{[2-[(1,3,5-trimethylpyrazol-4-yl)amıno]ethyl]amino]-2-propanol $C_{17}H_{26}N_4O_2$ |
| denipridum denipride | (\pm)-4-amino-5-nitro-N-[1-(tetrahydrofurfuryl)-4-piperidyl]- σ -anisamide C $_{18}N_4O_5$ |
| deprodonum deprodone | 11 eta ,17-dihydroxypregna-1,4-diene-3,20-dione $C_{z_1}H_{z_0}O_4$ |
| derpanicatum derpanicate | nicotinic acid, tetraester with N,N'-[dithiobis(ethyleneiminocarbonylethylene)]bis[$\{H\}$ -2,4-dihydroxy-3,3-dimethylbutyramide] $C_{ab}H_{sa}N_{b}O_{12}S_{2}$ |

Recommended International Nonproprietary Name (Latin, English)

(2S)-N-[(aR)-a-[(carbamoylmethyl)carbamoyl]-a-ethylbenzyl]-2doreptidum pyrrolidinecarboxamide doreptide C₁₇H₂₄N₄O₃ (1R,2S;1S,2R)-1,2,3,4-tetrahydro-2-(3-hydroxypropyl)-6,7,8-trimethoxy-2doxacurii chloridum methyl-1-(3,4,5-trimethoxybenzyl)isoquinolinium chloride, succinate (2:1) doxacurium chloride C58H78Cl2N2O16 (\pm) -2-methyl-1-(a-methylbenzyl)ımıdazole efetozalum C₁₂H₁₄N₂ efetozole 7-chloro-5-(o-fluorophenyl)-1,3-dihydro-3-hydroxy-1-methyl-2H-1,4flutemazepamum flutemazepam benzodiazepin-2-one C₁₅H₁₂CIFN₂O₂ 3,3-dimethyl-N-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl]glutarimide gepironum C19H29N5O2 gepirone ι-histidine histidinum histidine $C_6H_9N_3O_2$ 1-(2-isopropylpyrazolo[1,5-a]pyridin-3-yl)-2-methyl-1-propanone ibudilastum ibudilast C₁H₁N₂O 2-[4-[4-(p-fluorophenyl)-1-piperazinyl]butyl]-1-(p-methoxyphenyl)-3idenastum indazolinone idenast $C_{2}H_{31}FN_4O_2$ 30°a-L-arginine-30°b-L-arginineinsulin (human) insulinum arginum C250H407N73O79S insulin argine 2,4-diamino-6-(2,5-dichlorophenyl)-s-triazine irsogladinum C₉H₇Cl₂N₅ irsogladine (\pm) -1-(isopropylamino)-3-(o-pyrrol-1-ylphenoxy)-2-propanol isamoltanum isamoltan C₁₆H₂₂N₂O₂ L-isoleucine isoleucinum C₆H₁₃NO₂ isoleucine L-leucine leucinum C₅H₁₃NO₂ Inveine (-)-(5)-3-(4-phenyl-1-piperazinyl)-1,2-propanediol levdropropizinum C₁₃H₂₀N₂O₂ levdropropizine (-)-(S)-1-(Isopropylamino)-3-(o-methoxyphenoxy)-2-propanol levomoprololum C13H21NO3 levomoprolol N^2 -[(3S)-1-(carboxymethyl)-2,3,4,5-tetrahydro-2-oxo-1H-1-benzazepin-3-yl]-Llibenzaprilum . libenzapril lysine

C₁₈H₂₅N₃O₃

C.H.N.O.

linsidominum Iinsidomine 3-morpholinosydnone imine

Recommended International Nonproprietary Name (Latin, English)

Iomefloxacinum Iomefloxacin (\pm)-1-ethyl-6,8-difluoro-1,4-dihydro-7-(3-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid

C₁₇H₁₉F₂N₃O₃

lysinum Iysine L-lysine C₆H₁₄N₂O₂

mivacurii chloridum mivacurium chloride ($\it R$)-1,2,3,4-tetrahydro-2-(3-hydroxypropyl)-6,7-dimethoxy-2-methyl-1-(3,4,5-trimethoxybenzyl)isoquinolinium chloride, ($\it E$)-4-octenedioate (2:1)

C58H50Cl2N2O14

montirelinum montirelin N-[(3R,6R)-6-methyl-5-oxo-3-thiomorpholinyl]carbonyl]-L-histidyl

prolinamide C₁₇H₂₄N₆O₄S

moveltiprilum moveltipril (-)-1-[(2 S)-3-mercapto-2-methylpropionyl]-L-proline, ester with N-(cyclohexyl-

carbonyl)thio-p-alanine

C,9H30N2O5S

naxaprostenum naxaprostene a-[(2E,3aS,4R,5R,6aS)-4-[(1E,3S)-3-cyclohexyl-3-hydroxypropenyl]hexahydro-

5-hydroxy-2(1H)-pentalenylidene]-m-toluic acid

C25H32O4

neraminolum neraminol (\pm) -1-(1 H-indazol-4-yloxy)-3-[[2-(2,6-xylidino)ethyl]amino]-2-propanol

C20H26N4O2

norfloxacinum succinilum norfloxacin succinil

7-[4-(3-carboxypropionyl)-1-piperazinyl]-1-ethyl-6-fluoro-1,4-dihydro-4-oxo-3-

quinolinecarboxylic acid

C₂₀H₂₂FN₃O₆

onapristonum onapristone 11 β -[p-(dimethylamino)phenyl]-17a-hydroxy-17-(3-hydroxypropyl)-13a-estra-

4,9-dien-3-one C₂₉H₃₉NO₃

ornithinum ornithine L-ornithine C₅H₁₂N₂O₂

orotirelinum orotirelin N-[(1,2,3,6-tetrahydro-2,6-dioxo-4-pyrimidinyl)carbonyl]-L-histidyl-L-

prolinamide C₁₆H₁₉N₇O₅

palatriginum palatrigine 5-amino-6-(2,3-dichlorophenyl)-2,3-dihydro-3-imino-2-isopropyl-as-triazine

C₁₂H₁₃Cl₂N₅

panomifenum panomifene (E)-2-[[2-[p-(3,3,3-trifluoro-1,2-diphenylpropenyl)phenoxy]ethyl]amino]ethanol

C₂₅H₂₄F₃NO₂

pemedolacum pemedolac (\pm)-4-benzyl-1-ethyl-1,3,4,9-tetrahydropyrano[3,4-b]ındole-1-acetic acid $\rm C_{22}H_{23}NO_3$

perbufyllinum perbufylline 7-[4-[4-(p-fluorabenzoyl)piperidino]butyl]theophylline

C₂₃H₂₈FN₅O₃

phenylalaninum phenylalanine L-phenylalanine C₃H₁₁NO₂

| pirazmonamum pirazmonam | 2-[[[(2-amino-4-thiazolyl)][[1-[{[3-(1,4-dlhydro-5-hydroxy-4-oxopicolinamido)-2-oxo-1-imidazolidinyl]sulfonyl]carbamoyl]-2-oxo-3-azetidinyl]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 $C_{17}H_{12}BrFN_2O_3$ |
| pramipexolum pramipexole | (S)-2-amino-4,5,6,7-tetrahydro-6-(propylamıno)benzothıazole $\rm C_{10}H_{17}N_3S$ |
| prolinum proline | ι-proline C₅H _{\$} NO₂ |
| quinaprilum quinapril | (S)-2-[(S)-N-[(S)-1-carboxy-3-phenylpropyl]alanyl]-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid, 1-ethyl ester $\rm C_{25}H_{30}N_2O_5$ |
| rilozaronum rilozarone | 1-bromo-2-phenyl-3-ındolizinyl 3-chloro-4-[3-(dibutylamino)propoxy]phenyl ketone $C_{32}H_{36}BrClN_2O_2$ |
| romifidinum romifidine | 2-(2-bromo-6-fluoroanilino)-2-∤mıdazoline C₃H₃BrFN₃ |
| salmisteinum salmisteine | N -acetyl-L-cysteine salicylate (ester), acetate (ester) $C_{14}H_{15}NO_6S$ |
| saruplasum saruplase | prourokinase (enzyme activating) (human clone pUK 4/pUK 18 protein moiety reduced) $C_{2031}H_{3145}N_{586}O_{601}S_{31}$ |
| selprazinum selprazine | 6-[3-[4-(o-ethoxyphenyl)-1-piperazınyl]propoxy]-3,4-dihydrocarbostyril $C_{z4}H_{a_1}N_3O_a$ |
| sematilidum sematilide | N-[2-(diethylamino)ethyl]-p-methanesulfonamidobenzamide $C_{14}H_{23}N_3O_3S$ |
| serinum serine | L-serine C₃H₁NO₃ |
| setastinum istine | 1-[2-[$\{p$ -chloro- α -methyl- α -phenylbenzyl)oxy]ethyl]hexahydro-1 H -azepine $C_{22}H_{26}$ CINO |
| sevopramidum sevopramide | (\pm)-a-benzamido-p-[3-(diethylamino)propoxy]-N,N-dipropylhydrocinnamamide $\rm C_{25}H_{43}N_3O_3$ |
| sımvastatinum sımvastatin | 2,2-dimethylbutyric acid, 8-ester with (4 <i>H</i> ,6 <i>H</i>)-6-[2-[(1 <i>S</i> ,2 <i>S</i> ,6 <i>H</i> ,8 <i>S</i> ,8a <i>H</i>)-1,2,6,7,8,8a-hexahydro-8-hydroxy-2,6-dimethyl-1-naphthyl]ethyl]tetrahydro-4-hydroxy-2 <i>H</i> -pyran-2-one $C_{25}H_{34}O_5$ |
| samidobovum 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-dimethyi-4-(o -nitrophenyi)-3,5-pyridinedicarboxylic acid, methyl ester, 5-ester with 1,4. 3,6-dianhydro- o -glucitol $C_{22}H_{24}N_2O_9$ |
|-----------------------------|---|
| sudismasum sudismase | $\textit{M}\text{-}acetylsuperoxide dismutase (human clone pS 61-10 copper-zinc subunit protein moiety reduced) C_{\text{48.1}}H_{\text{1087}}N_{\text{203}}O_{\text{225}}S_{\text{4}}$ |
| taprosteпиm taprostene | $a\text{-}[(2Z,3aR,4R,5R,6aS)\text{-}4\text{-}[(1E,3S)\text{-}3\text{-cyclohexyl-}3\text{-hydroxypropenyl}]\text{hexahydro-}5\text{-hydroxy-}2H\text{-cyclopenta}[b]\text{furan-}2\text{-ylidene}]\text{-}m\text{-toluic acid}$ $C_{24}H_{30}O_{5}$ |
| taurinum taurine | taurine C₂H,NO₃S |
| tepoxalinum tepoxalin | 5-(ρ -chlorophenyl)-1-(ρ -methoxyphenyl)- N -methylpyrazole-3-propionohydroxamic acid $\rm C_{20}H_{20}ClN_3O_3$ |
| texacromilum texacromil | (\pm)-5-[2-hydroxy-3-(methyithio)propoxy]-4-oxo-4 H-1-benzopyran-2-carboxylinacid $\rm C_{14}H_{14}O_6S$ |
| threoninum threonine | L-threonine C₄H₃NO₃ |
| tibenelastum tibenelast | 5,6-diethoxybenzo[b]thiophene-2-carboxylic acid C $_{13}H_{14}O_4S$ |
| traboxopinum traboxopine | (\pm)-2-chloro-12-[3-(dimethylamino)-2-methylpropyl]-12 H-dibenzo[d,g][1,3,6]-dioxazocine C $_{19}\rm H_{23}CIN_2O_2$ |
| tryptophanum tryptophan | L-tryptophan C₁₁H₁₂N₂O₂ |
| tyrosinum tyrosine | L-tyrosine C ₉ H, ₁ NO ₃ |
| ufiprazolum ufiprazole | 5-methoxy-2-[[(4-methoxy-3,5-dimethyl-2-pyridyl)methyl]thio]benzimidazole $C_{17}H_{19}N_3O_2S$ |
| valınum valıne | L-valine C _z H ₁₁ NO _z |
| zabiciprilum zabicipril | (3.5)-2-[(2.5)-N-[(1.5)-1-carboxy-3-phenylpropyl]alanyl]-2-azabicyclo[2.2]-octane-3-carboxylic acid, 1-ethyl ester $C_{23}H_{32}N_zO_3$ |