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.

Recommended International Nonproprietary Names (Rec. INN): List 25

<table>
<thead>
<tr>
<th>Recommended international Nonproprietary Name (Latin, English)</th>
<th>Chemical Name or Description and Molecular Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>abamectin abamecin</td>
<td>A mixture of components B1a and B1b</td>
</tr>
<tr>
<td>Component B1a:</td>
<td>[2a,4E,8E]-5(^\prime),6(^\prime),6(^\prime),7,10,11,14,15,17a,20,20(^a),20b(^a),20b(^b)-6(^\prime)-[(S)-sec-butyl]5(^\prime),6(^\prime),6(^\prime),7,10,11,14,15,17a,20,20(^a),20b(^a),20b(^b)-dihydroxy-5(^\prime),6(^\prime),19-tetramethyl-17-oxospiro[11,15-methano-2H,13H,17H-furo[4,3-2-py][2,6]benzodioxacyclooctadecin-13,2(^\prime)-[2(^a)!</td>
</tr>
<tr>
<td>Component B1b:</td>
<td>[2a,4E,8E]-5(^\prime),6(^\prime),6(^\prime),7,10,11,14,15,17a,20,20(^a),20b(^a),20b(^b)-5(^\prime),6(^\prime),7,10,11,14,15,17a,20,20(^a),20b(^a),20b(^b)-dodecahydro-20,20b-di-O-methyl-5(^\prime),6(^\prime),19-tetramethyl-17-oxospiro[11,15-methano-2H,13H,17H-furo[4,3-2-py][2,6]benzodioxacyclooctadecin-13,2(^\prime)-[2(^a)!</td>
</tr>
<tr>
<td>aminadiazol aminadazole</td>
<td>a-(5-tert-butyl-2-hydroxyphenyl)-1-methyl-5-nitromidazole-2-methanol C(_3)H(_6)N(_2)O(_4)</td>
</tr>
<tr>
<td>acetofenacam acetofenac</td>
<td>glycic acid, [α-(2,8-dichloroanilinophenyl)acetate (ester)] C(_6)H(_4)O(_4)</td>
</tr>
<tr>
<td>acidum broxitalamicum broxitalamic acid</td>
<td>5-acetamido-2,4,5-tribromo-N-(2-hydroxyethyl)isophthalic acid C(_9)H(_4)Br(_3)N(_2)O(_4)</td>
</tr>
</tbody>
</table>

1 Off. Rec. Wld Hlth Org., 1953, 60, 8 (Resolution EB 18.7); 1959, 1973, 10 (Resolution EB 18.9).
2 Other lists of recommended international nonproprietary names can be found in Chem. Wld Hlth Org., 1954.

<table>
<thead>
<tr>
<th>Nonproprietary Name (Latin, English)</th>
<th>Chemical Name or Description and Molecular Formulae</th>
</tr>
</thead>
<tbody>
<tr>
<td>acidiem ioxabrolicum ioxabrolie acid</td>
<td>N-[2-hydroxyethyl]-2,4,6-trilodo-5-[2-[2,4,6-tribromo-3-(N-methylacetamido)-5-[(methylcarbamoyl)benzamido]acetamido]isophthalamic acid</td>
</tr>
<tr>
<td>acidum isospaglumicum isospaglumic acid</td>
<td>N-[N-acety]-α-aspartyl]-l-glutamic acid</td>
</tr>
<tr>
<td>acidum tauroseholicum tauroseholie acid</td>
<td>N-[[20S]-3α,7α,12α-trihydroxy-20-methyl-5β-pregn-21-yl]selenyl]acetyl]taurine</td>
</tr>
<tr>
<td>acidum ursulicum ursulie acid</td>
<td>3α,7β-dihydroxy-5β-cholan-24-oic acid bis(hydrogen sulfate)</td>
</tr>
<tr>
<td>adimolol adimol</td>
<td>(±)-1-[3-[2-hydroxy-3-(1-naphthylxyloxy)propyl]amino]-3-methylbutyl]-2-benzimidazolone</td>
</tr>
<tr>
<td>almagodratum almagodate</td>
<td>decaesiumtium pentamagnesium hexacosahydroxide pentaoxide bis(sulfate) hydrate</td>
</tr>
<tr>
<td>alpindem alpide</td>
<td>6-chloro-2-[(p-chlorophenyl)-N,N-dipropyl]imidazo[1,2-a]pyridine-3-acetamide</td>
</tr>
<tr>
<td>altextonazol altextonazole</td>
<td>cis-1-[(2-p-chlorophenyl)-3-[(2,4-dichlorophenyl)-2,3-epoxypropyl]-1H-1,2,4-triazole</td>
</tr>
<tr>
<td>amloidinum amloidine</td>
<td>3-ethyl 5-methyl (±)-2-[2-aminoethoxy]methyl]-4-(α-chlorophenethyl)-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylate</td>
</tr>
<tr>
<td>aminotidum aminotide</td>
<td>3-amino-N-[2-(dimethylamino)ethyl]naphthalimide</td>
</tr>
<tr>
<td>anaxironum anaxione</td>
<td>tris(2,3-epoxypropyl)bicarbamime</td>
</tr>
<tr>
<td>axomizidum axomizide</td>
<td>(±)-1-[1-(1,4-benzodioxan-2-ylmethyl]-4-piperidy]-5-chloro-2-benzimidazolone</td>
</tr>
<tr>
<td>azamolinum azamulin</td>
<td>[5-α-mono-3-1-yl)]acetic acid, 8-ester with (3aS,4R,5S,6R,8R,9aS,10R)-6-ethoxyoctahydro-5,8-dihydroxy-4,6,9,10-tetramethyl-3a,9-propano-3aH-cyclopentacyclooctan-1(4H)-one</td>
</tr>
<tr>
<td>barucamidum barucamide</td>
<td>4-benzyl-1,3-dihydro-7-[4-[(isopropylamino)acetoxy]-6-methylfuro[3,4-c]pyridine</td>
</tr>
<tr>
<td>benzylpenicillinn benzylpenicillin</td>
<td>(2S,5R,8R)-3,3-dimethyl-7-oxo-5-[2-phenylacetamido]-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid</td>
</tr>
<tr>
<td>Nonproprietary Name (Latin, English)</td>
<td>Chemical Name or Description and Molecular Formulae</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>besulparidum</td>
<td>1-(4-chloro-3-sulfamoylbenzamido)-2,4,6-trimethylpyridinium-hydroxide, inner salt</td>
</tr>
<tr>
<td>besulparide</td>
<td>C₉H₇ClN₂O₇S</td>
</tr>
<tr>
<td>biclodilum</td>
<td>{2,6-dichlorophenyl}amidino]urea</td>
</tr>
<tr>
<td>biclodil</td>
<td>C₉H₆ClN₂O</td>
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<td>biperamidol</td>
<td>(\alpha)-(\alpha-amino-o-toly]thio]benzyl alcohol</td>
</tr>
<tr>
<td>biperamol</td>
<td>C₉H₈NOS</td>
</tr>
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<td>brobactamum</td>
<td>(2S,5R,6R)-6-bromo-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid</td>
</tr>
<tr>
<td>brobactam</td>
<td>C₉H₆BrNO₇S</td>
</tr>
<tr>
<td>buscopan</td>
<td>({R})-9-(3,4-dihydroxybutyl)guanine</td>
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<tr>
<td>butitovalin</td>
<td>C₉H₈N₂O₃</td>
</tr>
<tr>
<td>butitovir</td>
<td>({R})-9-(3,4-dihydroxybutyl)guanine</td>
</tr>
<tr>
<td>butinazocin</td>
<td>(\pm)-3-(3-butyln)-1,2,3,4,5,6-hexahydro-11,11-dimethyl-2,6-methano-3-benzazocine-6,8-diol</td>
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<tr>
<td>butinazocine</td>
<td>C₉H₈N₂O₃</td>
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<tr>
<td>carbaclatulium</td>
<td>sodium (carbonato)dihydroxyaluminate(1-) hydrate</td>
</tr>
<tr>
<td>carbdurate</td>
<td>C₂₄H₂₅AlN₂O₂₉·H₂O</td>
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<tr>
<td>cefalexin</td>
<td>({\alpha})-(4-[4-(4-diphenyloxy)methoxy]piperidino)butyryl]-(\alpha)-methylhydratropic acid</td>
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<tr>
<td>cefalexin</td>
<td>C₂₄H₂₆N₂O₆</td>
</tr>
<tr>
<td>cefuroxime</td>
<td>({\alpha})-(4-[4-(4-diphenyloxy)methoxy]piperidino)butyryl]-(\alpha)-methylhydratropic acid</td>
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<td>C₂₄H₂₆N₂O₆</td>
</tr>
<tr>
<td>ceftriaxone</td>
<td>({\alpha})-(4-[4-(4-diphenyloxy)methoxy]piperidino)butyryl]-(\alpha)-methylhydratropic acid</td>
</tr>
<tr>
<td>ceftriaxone</td>
<td>C₂₄H₂₆N₂O₆</td>
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<tr>
<td>cefaclor</td>
<td>(6R,7R)-7-{2-[<a href="Z">1</a>-2-cyanovinyl]thio][acetamido]-3-[[1-methyl-1H-tetrazol-5-yl]thio][methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid</td>
</tr>
<tr>
<td>cefaclor</td>
<td>C₂₄H₂₆N₂O₆</td>
</tr>
<tr>
<td>cefamandole</td>
<td>(6R,7R)-7-{2-[<a href="Z">1</a>-2-cyanovinyl]thio][acetamido]-3-[[1-methyl-1H-tetrazol-5-yl]thio][methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid</td>
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<tr>
<td>cefamandole</td>
<td>C₂₄H₂₆N₂O₆</td>
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<tr>
<td>cefditoren</td>
<td>(6R,7R)-7-{2-[<a href="Z">1</a>-2-cyanovinyl]thio][acetamido]-3-[[1-methyl-1H-tetrazol-5-yl]thio][methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid</td>
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<td>cefditoren</td>
<td>C₂₄H₂₆N₂O₆</td>
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<tr>
<td>cefditoren</td>
<td>(6R,7R)-7-{2-[<a href="Z">1</a>-2-cyanovinyl]thio][acetamido]-3-[[1-methyl-1H-tetrazol-5-yl]thio][methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid</td>
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<tr>
<td>cefditoren</td>
<td>C₂₄H₂₆N₂O₆</td>
</tr>
<tr>
<td>cefotetan</td>
<td>(6R,7R)-7-{2-[<a href="Z">1</a>-2-cyanovinyl]thio][acetamido]-3-[[1-methyl-1H-tetrazol-5-yl]thio][methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid</td>
</tr>
<tr>
<td>cefotetan</td>
<td>C₂₄H₂₆N₂O₆</td>
</tr>
<tr>
<td>cefpodoxime</td>
<td>(6R,7R)-7-{2-[<a href="Z">1</a>-2-cyanovinyl]thio][acetamido]-3-[[1-methyl-1H-tetrazol-5-yl]thio][methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid</td>
</tr>
<tr>
<td>cefpodoxime</td>
<td>C₂₄H₂₆N₂O₆</td>
</tr>
<tr>
<td>cefotetan</td>
<td>(6R,7R)-7-{2-[<a href="Z">1</a>-2-cyanovinyl]thio][acetamido]-3-[[1-methyl-1H-tetrazol-5-yl]thio][methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid</td>
</tr>
<tr>
<td>cefotetan</td>
<td>C₂₄H₂₆N₂O₆</td>
</tr>
<tr>
<td>cefpodoxime</td>
<td>(6R,7R)-7-{2-[<a href="Z">1</a>-2-cyanovinyl]thio][acetamido]-3-[[1-methyl-1H-tetrazol-5-yl]thio][methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid</td>
</tr>
<tr>
<td>cefpodoxime</td>
<td>C₂₄H₂₆N₂O₆</td>
</tr>
<tr>
<td>cefotetan</td>
<td>(6R,7R)-7-{2-[<a href="Z">1</a>-2-cyanovinyl]thio][acetamido]-3-[[1-methyl-1H-tetrazol-5-yl]thio][methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid</td>
</tr>
<tr>
<td>cefotetan</td>
<td>C₂₄H₂₆N₂O₆</td>
</tr>
<tr>
<td>cefpodoxime</td>
<td>(6R,7R)-7-{2-[<a href="Z">1</a>-2-cyanovinyl]thio][acetamido]-3-[[1-methyl-1H-tetrazol-5-yl]thio][methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid</td>
</tr>
<tr>
<td>cefpodoxime</td>
<td>C₂₄H₂₆N₂O₆</td>
</tr>
<tr>
<td>cefotetan</td>
<td>(6R,7R)-7-{2-[<a href="Z">1</a>-2-cyanovinyl]thio][acetamido]-3-[[1-methyl-1H-tetrazol-5-yl]thio][methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid</td>
</tr>
<tr>
<td>cefotetan</td>
<td>C₂₄H₂₆N₂O₆</td>
</tr>
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<td>Chemical Name or Description and Molecular Formulae</td>
<td>Nonproprietary Name (Latin, English)</td>
</tr>
<tr>
<td>---------------------------------------------------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>cinaproxen</td>
<td>N-acetyl-cysteine (+)-(S)-6-methoxy-o-methyl-2-naphthaleneacetate (ester)</td>
</tr>
<tr>
<td>cinaproxen</td>
<td>C_{19}H_{28}NO_{5}S</td>
</tr>
<tr>
<td>cinflumidum</td>
<td>(E)-4-cyclopropyl-m-fluorocinnamamide</td>
</tr>
<tr>
<td>cinflumide</td>
<td>C_{16}H_{18}FNO</td>
</tr>
<tr>
<td>cinunoperon</td>
<td>4'-fluoro-4-[4-(3-isouinolyl)-1-piperazinyl]butyrophenone</td>
</tr>
<tr>
<td>cinunoprene</td>
<td>C_{16}H_{16}FNO_{2}</td>
</tr>
<tr>
<td>clidatidinum</td>
<td>2-[2,6-dichlorophenyl]iminooxazolidine</td>
</tr>
<tr>
<td>clidatidine</td>
<td>C_{15}H_{10}Cl_{2}N_{2}O</td>
</tr>
<tr>
<td>clomoxir</td>
<td>(+)-(±)-2-[5-(p-chlorophenyl)pentyl]glycidic acid</td>
</tr>
<tr>
<td>clomoxir</td>
<td>C_{16}H_{18}Cl_{2}O_{5}</td>
</tr>
<tr>
<td>cloricromen</td>
<td>ethyl [(8-chloro-3-[2-(diethylamino)ethyl]-4-methyl-2-oxo-2H-1-benzopyran-7-yl)oxy]acetate</td>
</tr>
<tr>
<td>cloricromen</td>
<td>C_{22}H_{26}ClNO_{3}</td>
</tr>
<tr>
<td>cloticasone</td>
<td>S-(chloromethyl) 6a,9-difluoro-11β,17-di hydroxy-16α-methyl-3-oxandrosta-1,4-diene-17β-carboxylate</td>
</tr>
<tr>
<td>cloticasone</td>
<td>C_{27}H_{28}ClF_{2}O_{5}S</td>
</tr>
<tr>
<td>crilanomeran</td>
<td>starch polymer with acrylonitrile</td>
</tr>
<tr>
<td>crilanomeran</td>
<td></td>
</tr>
<tr>
<td>cagapamil</td>
<td>2-[3-[(m-methoxyphenethyl)[methylamino]propyl]-2-(3,4,5-trimethoxyphenyl)tetradecanenitrile</td>
</tr>
<tr>
<td>dagapamil</td>
<td>C_{27}H_{28}N_{3}O_{5}</td>
</tr>
<tr>
<td>danostelium</td>
<td>3-[(carboxymethyl)thio]propionic acid</td>
</tr>
<tr>
<td>danosteine</td>
<td>C_{10}H_{16}O_{5}S</td>
</tr>
<tr>
<td>darenzepin</td>
<td>1-(E)-[5,6-dihydro-6-oxo-11-morphanthridinylidene]acetyl]-4-methylpiperazine</td>
</tr>
<tr>
<td>darenzepine</td>
<td>C_{15}H_{19}N_{5}O_{2}</td>
</tr>
<tr>
<td>dixapamil</td>
<td>2-(3,4-dimethoxyphenyl)-2-isopropyl-5-[(m-methoxyphenethyl)methylamino]valeronitrile</td>
</tr>
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<td>dixapamil</td>
<td>C_{26}H_{25}N_{2}O_{5}</td>
</tr>
<tr>
<td>dixsecovemur</td>
<td>(+)-(S)-1-cyclohexyl-4-[ethy][p-methoxy-o-methylphenethylamino]-1-butanone</td>
</tr>
<tr>
<td>dixsecoveme</td>
<td>C_{18}H_{24}NO_{3}</td>
</tr>
<tr>
<td>dixmoxaprost</td>
<td>(Z)-7-[[1RS,2RS,3RS]-2-[E]-[3RS]-5-ethoxy-3-hydroxy-4,4-dimethyl-1-pentenyl]-3-hydroxy-5-oxocyclopentyl]-5-heptenoic acid</td>
</tr>
<tr>
<td>dixmoxaprost</td>
<td>C_{19}H_{21}O_{5}</td>
</tr>
<tr>
<td>dioxadiol</td>
<td>(±)-1-(1,4-benzodioxan-2-ylmethoxy)-3-[(4-tert-butylamino)-2-propano]</td>
</tr>
<tr>
<td>dioxadiol</td>
<td>C_{16}H_{22}NO_{3}</td>
</tr>
<tr>
<td>drithromycin</td>
<td>(8S)-9-deoxo-11-deoxy-9,11-[iminol]-[2-(2-methoxythoxy)ethylidene]oxy]erythromycin</td>
</tr>
<tr>
<td>drithromycin</td>
<td>C_{29}H_{26}N_{5}O_{8}</td>
</tr>
<tr>
<td>dixazifron</td>
<td>2-(cyclopropylmethyl)-5,6-bis(p-methoxyphenyl)-as-triazin-3(2H)-one</td>
</tr>
<tr>
<td>dixazifron</td>
<td>C_{23}H_{24}N_{5}O_{5}</td>
</tr>
<tr>
<td>Chemical Name or Description and Molecular Formula</td>
<td>Nonproprietary Name (Latin, English)</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>doliracetum doliracetam</td>
<td>¿-2-oxo-3-phenyl-1-indolineacetamide</td>
</tr>
<tr>
<td>doxazosin doxazosin</td>
<td>1-(4-amino-6,7-dimethoxy-2-quazolinyl)-4-(1,4-benzodioxan-2-ylcarbonyl)piperazine</td>
</tr>
<tr>
<td>droloxfenem droloxefene</td>
<td>(S)-a-[α-(2-[dimethylamino]ethoxy)phenyl]-α′-ethyl-3-stilbenol</td>
</tr>
<tr>
<td>droxicamam droxicam</td>
<td>5-methyl-3-(2-pyridyl)-2H,5H-1,3-oxazine[5,8-c][1,2]benzothiazine-2,4(3H)-dione 5,6-dioxide</td>
</tr>
<tr>
<td>ebastinam ebastine</td>
<td>4'-tert-buty1-4-(4-[diphenylmethoxy]piperidino)butyrophenone</td>
</tr>
<tr>
<td>edoxudinum edoxudine</td>
<td>2'-deoxy-5-ethyluridine</td>
</tr>
<tr>
<td>effornithinum effornithine</td>
<td>2-(difluoromethyl)-α-ornithine</td>
</tr>
<tr>
<td>efrotomycinum efrotomycin</td>
<td>An antibiotic produced by Streptomyces lactamduran. Efrotomycin is a complex antibiotic with three components: efrotomycin A₁, efrotomycin A₂ and efrotomycin B. The empirical molecular formula is C₹₆H₆₆N₄O₂₈.</td>
</tr>
<tr>
<td>Component A₁:</td>
<td>(αS,αR,3R,4R,6S)-4-[(6-deoxy-4-O-(6-deoxy-2,4-di-O-methyl-α-L-mannopyranosyl)-3-O-methyl-β-D-allopyranosyl)oxy]-N-[2E,4E,6S,7R]-7-(2S,3S,4R,5R)-5-[(1E,3E,5E)-6-(1,2-dihydro-4-hydroxy-1-methyl-2-oxoindolino)-1,3,5-heptatrienyl]tetrahydro-3,4-dihydroxy-2-furil]-6-methoxy-5-methyl-2,4-octadienyl]-α-ethyltetrahydro-2,3-dihydroxy-5,5-dimethyl-6-{(1E,3Z)-1,3-pentadienyl}-2H-pyran-2-acetamide</td>
</tr>
<tr>
<td>Component A₂:</td>
<td>(αS,αR,3R,4R,6S)-4-[(6-deoxy-4-O-(6-deoxy-2,4-di-O-methyl-α-L-mannopyranosyl)-3-O-methyl-β-D-allopyranosyl)oxy]-N-[2E,4E,6S,7R]-7-(2S,3S,4R,5R)-5-[(1E,3E,5E)-7-[(E)-1,4-dihydro-1-methyl-2,4-dioxo-3(2H)-pyridinylidene]-7-hydroxy-6-methyl-1,3,5-heptatrienyl]tetrahydro-3,4-dihydroxy-2-furil]-6-methoxy-5-methyl-2,4-octadienyl]-α-ethyltetrahydro-2,3-dihydroxy-5,5-dimethyl-6-{(1E,3Z)-1,3-pentadienyl}-2H-pyran-2-acetamide</td>
</tr>
<tr>
<td>Component B:</td>
<td>(αS,αR,3R,4R,6S)-4-[(6-deoxy-4-O-(6-deoxy-2,4-di-O-methyl-α-L-mannopyranosyl)-3-O-methyl-β-D-allopyranosyl)oxy]-α-ethyltetrahydro-2,3-dihydroxy-N-[2E,4E,6S,7R]-6-methoxy-5-methyl-7-[2S,3S,4R,5R]-tetrahydro-3,4-dihydroxy-5-{(1E,3E)-4-(3,4,5,6-tetrahydro-3,6-dimethyl-4,5-dioxo-2H-pyran)[3,2-c]-pyridin-2-yl]-1,3-butanediyl]-2-furil]-2,4-octadienyl]-5,5-dimethyl-6-{(1E,3Z)-1,3-pentadienyl}-2H-pyran-2-acetamide</td>
</tr>
<tr>
<td>eltenac eltenum</td>
<td>4-(2,6-dichloroanilino)-3-thiopheneacetic acid</td>
</tr>
<tr>
<td>onilospironum onilospiro</td>
<td>(2R,5S,6R)-6-(m-chlorophenoxy)-2-methyl-1-oxa-4-azaspiro-4,5-decan-3-one</td>
</tr>
<tr>
<td>onilospirene onilospino</td>
<td>C₂₀H₂₁ClN₄O₅S</td>
</tr>
<tr>
<td>Recommended international Nonproprietary Name (Latin, English)</td>
<td>Chemical Name or Description and Molecular Formulae</td>
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<tr>
<td>---------------------------------------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>enoxamast</td>
<td>[4-(1,4-benzodioxan-6-yl)-2-thiazolyl]oxamic acid C₂₀H₁₈N₂O₅S</td>
</tr>
</tbody>
</table>
| enoxaparin                                                  | heparin of low molecular mass presenting a 4-ENO pyranosuronate-
|                                                            | sodium structure at the non reducing end of the chain |
| enoximonomon                                               | 4-methyl-5-[p-(methylthio)benzoyl]-4-imidazolin-2-one C₁₄H₁₃N₂O₅S |
| enoximone                                                  |                                                                 |
| enpiroline                                                  | (+)-(R,R)-a-[2-(trifluoromethyl)-6-(a,a,a-trifluoro-
|                                                            | p-tyl)]-4-pyridil]-2-piperidinemethanol C₁₅H₁₃F₂N₂O |
| epanololot                                                 | (+)-N-[2-[[3-(o-cyanophenoxy)-2-hydroxypropyl][amino]ethyl]-
|                                                            | 2-(p-hydroxyphenyl)acetamide C₂₇H₂₆N₂O₅ |
| epanolol                                                   | erythromycin 2'-acetate, stearate (salt) C₂₉H₄₆N₂O₄ |
| erythromycin acistras                                      |                                                                 |
| erythromycin acistrate                                     |                                                                 |
| eseridinium                                                 | (4aS,9aS)-2,3,4,4a,9a-hexahydro-2,4a,9-trimethyl-1,2-oxazino[6,5-b]-indol-6-yl methylcarbamate C₁₆H₂₀N₂O₅ |
| eseridine                                                   |                                                                 |
| etacepridium                                               | 5-acetyl-N-[1-ethyl-2-pyrrolidinyl]methyl]-o-anisamide C₁₅H₁₅N₂O₃ |
| etacepride                                                 |                                                                 |
| etanterol                                                  | 5-amino-5'-[[2-hydroxy-o-methyl(phenoxy)[amino]methyl]-m-xylene-a,a'-dil C₁₆H₂₁N₂O₅ |
| otanterol                                                  |                                                                 |
| etclopridium                                               | (+)-(S)-5-chloro-3-ethyl-N-[1-ethyl-2-pyrrolidinyl]methyl]-
|                                                            | 6-methoxysalicylamide C₁₇H₁₆ClN₂O₅ |
| etclopride                                                 |                                                                 |
| etolclotfen                                                 | 4,9-dihydro-4-[2-[2-[2-hydroxyethoxy]ethoxy]ethyl]-4-piperidyliden-10H-benz[c]4,5]cyclohepta[1,2-d]thiophen-10-one C₂₀H₂₄NO₅S |
| etomoxir                                                   | ethyl (±)-2-[6-(p-chlorophenoxy)hexyl]glycidate C₁₀H₁₃ClO₄ |
| etoltofoten                                                 |                                                                 |
| falintolol                                                  | cyclopropyl methyl ketone, (±)-(EZ)-O-[3-[tert-butylamino]-2-
|                                                            | hydroxypropyl]oxime C₁₅H₂₀N₂O₅ |
| falintololot                                               |                                                                 |
| fengabine                                                   | (Z)-2-(4-butylo-o-chlorobenzimidoyl)-4-chlorophenol C₁₈H₁₇ClN₂O |
| fengabine                                                  |                                                                 |
| fliestolol                                                  | o-fluorobenzoic acid, 3-ester with (±)-2-[2,3-dihydroxypropyl]amino]-2-
|                                                            | methylpropyl]urea C₁₅H₂₀F₅N₂O₄ |
| fliestololot                                               |                                                                 |
| flufosatum                                                 | a,a,a-trifluoro-2,4-cresolic acid dihydrogen phosphate C₁₃H₁₄F₅P |
| flufosal                                                   |                                                                 |
| flunaprogest                                                | (Z)-7-{[1R,9R,5R,5S]-5-fluro-3-hydroxy-2,3-dihydroxy}-3-fluro-
<p>|                                                            | 3-hydroxy-1-butyl[cyclopentyl]-5-heptenoic acid C₉₁H₂₀F₉O₅ |
| flunaprost                                                  |                                                                 |</p>
<table>
<thead>
<tr>
<th>Recommended International Nonproprietary Name (Latin, English)</th>
<th>Chemical Name or Description and Molecular Formulae</th>
</tr>
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<tbody>
<tr>
<td>fluticasone</td>
<td>S-(fluoromethyl) 6a,9-difluoro-11β,17-dihydroxy-16a- methyl-3-oxoandrosta-1,4-diene-17β-carboxthioate C₂₀H₂₆F₂O₸S</td>
</tr>
<tr>
<td>fluticasone</td>
<td>diethyl [5-(2-chloro-4-methoxyphenoxy)hexyl]phosphonate C₂₂H₂₄ClO€P</td>
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<tr>
<td>furosartan</td>
<td>5-(3-pyridylmethyl)-2-benzofuranecarboxylic acid C₁₇H₁₆NO₂</td>
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<tr>
<td>furosartan</td>
<td>13-ethyl-17-hydroxy-18,19-dinor-17α-pregna-4,9,11-trien-20-y-3-one C₇₁H₁₁₂O₈</td>
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<tr>
<td>glimepiride</td>
<td>1-[p-(2-(3-ethyl-4-methyl-2-oxo-3-pyrrolin-1-carboxamido)ethyl]phenyl]sulfonyl]-3-(4-methylcyclohexyl)urea C₄₅H₄₃N₄Oₘ</td>
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<tr>
<td>histrelin</td>
<td>5-oxo-α-prolyl-α-histidyl-α-tryptophyl-α-tyrosyl-N⁴-benzyl-o-histidyl-α-leucyl-α-arginyl-N⁴-ethyl-o-prolinamide C₁₈₂H₁₅₀N₄₀Oₘ</td>
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<tr>
<td>imanixil</td>
<td>4-amino-2-(4,4-dimethyl-2-oxo-1-imidazolidinyl)-c,a,a-trifluoro-5-pyrimidinecarboxyl-m-toluclidide C₇₂H₄₃F₄N₄Oₘ</td>
</tr>
<tr>
<td>imidoflaxan</td>
<td>(±)-2-(1,4-benzodioxan-2-ylmethyl)-1-ethylimidazole C₁₃H₁₄N₂O₈</td>
</tr>
<tr>
<td>imoflaxan</td>
<td>α-[3-(1-benzimidazoly)-1-methyl[propyl]amino]methylvanillyl alcohol C₁₉H₂₂N₂O₈</td>
</tr>
<tr>
<td>ipodoxan</td>
<td>5,5’-[2-hydroxytrimethylene]bis[acetylimino]bis[N,N'-bis(2,3-dihydroxypropyl)]-2,4,6-triiodoisothaliamide C₂₉H₂₈N₄Oₘ</td>
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<tr>
<td>lopentol</td>
<td>N,N'-bis(2,3-dihydroxypropyl)-5-[N-(2-hydroxy-3-methoxypropyl)acetamido]-2,4,6-triiodoisothaliamide C₆₀H₄₀N₄Oₘ</td>
</tr>
<tr>
<td>lortracin</td>
<td>1-ethyl-5-fluoro-1,4-dihydro-4-oxo-7-pyrrol-1-yl-3-quinolinecarboxylic acid C₁₄H₁₄FNO₈</td>
</tr>
<tr>
<td>isobromindionum</td>
<td>(±)-5-bromo-2-phenyl-1,3-indandione C₁₅H₁₄BrO₂</td>
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<td>isosorbide mononitrate</td>
<td>1,4;3,6-dihydro-a-glucitol 5-nitrate C₁₀H₁₆NO₄</td>
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<tr>
<td>isosorbide mononitrate</td>
<td>N-[2-(diethylamino)ethyl]-1-o-tolyl-4-isoquinolinecarboxamide C₁₃H₁₃N₂Oₘ</td>
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<tr>
<td>ipocalxine</td>
<td>6-methoxy-4-[3-[38,4R]-3-vinyl-4-piperidyl]propyl]quinoline C₂₀H₂₄N₄Oₘ</td>
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<tr>
<td>lactilatum</td>
<td>lactose octakis(hydrogen sulfate), basic aluminum salt C₄₉H₃₁Al₆O₇S₄</td>
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<td>Recommended international Nonproprietary Name (Latin, English)</td>
<td>Chemical Name or Description and Molecular Formulae</td>
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<td>tamotrigine</td>
<td>3,5-diamino-5-[2,3-dichlorophenyl]-1,3,5-triazine</td>
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<td>tamotrigine</td>
<td>C_{6}H_{12}ClN_{3}</td>
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<tr>
<td>temidosul</td>
<td>o-amino-4-tert-butyl-6-(methylsulfonyl)-o-cresol</td>
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<td>temidosul</td>
<td>C_{9}H_{16}NO_{3}S</td>
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<td>lodinixil</td>
<td>4-chloro-2-(dimethylamino)-6-(2,3-xylyl)pyrimidine</td>
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<td>lodinixil</td>
<td>C_{9}H_{13}ClN_{4}</td>
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<td>ioflucarbanum</td>
<td>3,5-dichloro-4'-fluorothiocarbanilide</td>
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<td>ioflucarban</td>
<td>C_{12}H_{10}ClF_{2}S</td>
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<td>lucartamidum</td>
<td>(±)-tetrahydro-N-methyl-2-(6-methyl-2-pyridyl)thio-2-thiophenecarboxamide</td>
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<td>lucartamide</td>
<td>C_{11}H_{14}N_{4}S</td>
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<td>luptidine</td>
<td>C_{21}H_{22}N_{4}O_{3}</td>
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<td>luxabendazolum</td>
<td>methyl 5-hydroxy-2-benimidazolecarbamate, p-fluorobenzensulfonate (ester)</td>
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<td>luxabendazole</td>
<td>C_{8}H_{10}FN_{2}O_{3}</td>
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<td>maduramicin</td>
<td>C_{26}H_{25}N_{4}O_{11}</td>
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<td>mfenidramil/metalsulfas</td>
<td>[2-(diphenylmethoxy)ethyl]trimethylammonium methyl sulfate</td>
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<td>mfenidramil/metalsulfate</td>
<td>C_{23}H_{32}N_{2}O_{3}</td>
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<td>mesalazine</td>
<td>5-aminosalicylic acid</td>
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<td>mesalazine</td>
<td>C_{7}H_{7}NO_{3}</td>
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<td>methylprednisolone aceponas</td>
<td>11β,17,21-trihydroxy-6α-methylpregna-1,4-diene,3,20-dione, 21-acetate 17-propionate</td>
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<td>methylprednisolone aceponate</td>
<td>C_{27}H_{42}O_{7}</td>
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<td>metribridum</td>
<td>2-chloro-N,N-dimethyl-5-[3-methyl-2-(phenylimino)-4-thiazolin-4-yl]benzenesulfonamide</td>
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<td>metribidum</td>
<td>C_{13}H_{13}CIN_{3}O_{3}S</td>
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<td>metostilenoium</td>
<td>(±)-(E)-2-(p-methoxy styryl)-4-morpholineethanol</td>
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<td>C_{12}H_{10}NO_{3}</td>
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<td>mexiprostil</td>
<td>methyl (1R,2S,3R)-3-hydroxy-2-[(E)-(3R)-3-hydroxy-4-methoxy-4-methylcyclopent-5-enyl]-5-oxocyclopentansheptanoate</td>
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<td>mexiprostil</td>
<td>C_{20}H_{22}O_{6}</td>
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<td>midazogrel</td>
<td>(±)-1-[(E)-3-benzoyl]-1-octenyl]imidazole</td>
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<td>11β-[p-(dimethylamino)phenyl]-17β-hydroxy-17-(1-propynyl)estra-4,9-dien-3-one</td>
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<td>C₂₃H₃₅NO₅</td>
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<td><em>mindodilum</em></td>
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<tr>
<td><em>mindodilol</em></td>
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<tr>
<td>(±)-e-[(indo-4-yloxy)methyl]-4-(phenoxymethyl)-1-piperidinethanol</td>
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<tr>
<td>C₁₇H₂₇N₂O₈</td>
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<td><em>mopidralazine</em></td>
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<td><em>mopidraziline</em></td>
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<tr>
<td>4-[6-{(2,5-dimethylpyrrol-1-yl)amino}-3-pyridazinyl]morpholine</td>
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<td>C₂₆H₂₆N₄O</td>
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<td><em>motapizonum</em></td>
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<td>(±)-4,5-dihydro-6-(4-imidazol-1-yl-2-thienyl)-5-methyl-3-(2H)-pyridazinone</td>
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<td>C₂₃H₂₅N₄O</td>
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<td>(E)-{(2S,3R,4R,5S)-5-((2S,3S,4S,5S)-2,3-epoxy-5-hydroxy-4-methylhexyl)tetrahydro-3,4-dihydroxy-β-methyl-2H-pyran-2- crotonic acid, ester with 9-hydroxynonanoic acid</td>
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<td>C₄₂H₄₅N₄O₈</td>
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<td><em>topbidilum</em></td>
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<tr>
<td>(±)-4-(o-methoxyphenyl)-α-(1-naphthoxy)methyl-1-piperazinethanol</td>
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<td>C₂₄H₂₅N₄O</td>
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<tr>
<td><em>naminterol</em></td>
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<td>5-amino-α-[(p-methoxy-a-methylphenethyl)amino]methyl]-m-xylene-α,α'-diol</td>
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<td>C₂₃H₂₅N₂O₈</td>
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<td>C₂₀H₁₃N₂O</td>
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<td><em>nesapidi</em></td>
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<td>(±)-1-[4-(o-methoxyphenyl)-1-piperazinyl]-3-[m-(5-methyl-1,3,4-oxadiazol-2-yl)phenoxy]-2-propanol</td>
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<td>C₂₃H₂₅N₄O</td>
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<td><em>nesosteine</em></td>
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<tr>
<td>α-(3-thiazolidinylcarbonyl)benzoic acid</td>
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<tr>
<td>C₁₀H₁₁NO₂S</td>
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<tr>
<td>N-(2-hydroxyethyl)nicotinamide nitrate (ester)</td>
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<td>C₁₄H₁₄N₂O₄</td>
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<td><em>nilvadipinium</em></td>
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<tr>
<td>5-isopropyl 3-methyl 2-cyano-1,4-dihydro-6-methyl-4-(m-nitrophenyl)-3,5-pyridinedicarboxylate</td>
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<td>C₂₁H₁₇N₄O₄</td>
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<td>3-ethyl-1-(m-nitrophenyl)-2,4(1H,3H)-quinazolidinedione</td>
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<td>C₁₆H₁₃N₄O₈</td>
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<td>l-tyrosyl-N-formyl-l-lysylglycylphenyl-N-(tetrahydro-2-oxo-3-phenyl)-l-alaninamide</td>
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<td>C₃₆H₴₆N₁₅O₁₀</td>
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<td>8-[(1,4,5-triphenylimidazol-2-yl)oxy]octanoic acid</td>
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<td>C₃₄H₴₄N₂O₫</td>
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<td><em>octotride</em></td>
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<td>α-phenylalanyl-l-cysteinyll-c-phenylalanyl-l-cryptophyl-l-lysyl-l-threonyll-N(1R,2R)-2-hydroxy-1-[hydroxymethyl]-propyl]-l-cysteinamide cyclic (2→7)-disulfide</td>
<td></td>
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<tr>
<td>C₄₄H₵₆N₉O₆S₂</td>
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<td>Chemical Name or Description and Molecular Formulae</td>
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<td>otorinum</td>
<td>1-[(N-4-pyridylanthraniloyl)pipendine</td>
</tr>
<tr>
<td>(N-4-pyridylanthraniloyl)pipendine</td>
<td>C₉H₈N₄O</td>
</tr>
</tbody>
</table>
| olpimedonum                                    | (±)-2,3,6,7-tetrahydro-7-methyl-5H-thiazolo[3,2-asures)
| olpimedone                                    | 5-pyrimidin-5-one                                 |
| olsalazinium                                    | 5,5'-azodisalicylic acid or C.I mordant yellow 5 |
| olsalazine                                    | C₇H₆N₄O                                           |
| orgotein                                       | water-soluble protein congeners derived from red blood,
| orgotein                                       | liver, and other tissues, of molecular weight about |
|                                               | 33,000 with compact conformation maintained by about |
|                                               | 4 gram-atoms if divalent metal. Produced from beef |
|                                               | liver as Cu-Zn mixed chelate having superoxide dismutase |
|                                               | activity.                                         |
| ovandrotonium albuminum                       | 3-(3,17-dioxoandrostan-4-ene-7-carboxylethyl)propionic acid,|
| ovandrotonone albumin                          | serum albumin conjugate                           |
| oxodipine                                      | ethyl methyl 1,4-dihydro-2,6-dimethyl-4-[2,3- eius|
| oxodipine                                      | (methylene dioxyphenyl)-3,5-pyridinedicarboxylate   |
| oxoprenos kalii                                | potassium 17-hydroxy-3-oxo-7α-propyl-17a-pregn-4
e-21-carboxylate |
| oxoprene potassium                            | C₂₀H₂₇KO₅                                           |
| pelirinum                                       | 1,4-dihydro-2-methyl-4-oxo-6-{[3-pyridylmethyl]amino-5-pyrimidinonitrile |
| pelrine                                        | C₉H₈N₄O                                           |
| pentopiril                                      | ethyl N[2(R,R),2S]-2-carboxy-α,γ-dimethyl-δ-oxo-1-indolinevalerate |
| pentopril                                      | C₉H₈N₄O                                           |
| peracloponum                                    | p-chlorobenzaldehyde (±)-(E)-O-[3-[4-(o-chlorophenyl)-1-piperazine]-2hydroxypropionyl]oxime |
| peraclopane                                    | C₁₉H₈ClN₂O₂                                          |
| perindopril                                    | (2S,3aS,7aS)-1-[[R]-N-[[S]-1-carboxybutyl]alanyl]hexahydro-2-indolcarboxylic acid, 1-ethyl ester |
| perindopril                                    | C₁₉H₂₀N₂O₆                                          |
| permethrin                                    | m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate |
| permethrin                                    | C₁₉H₂₀ClO₃                                          |
| phenothrin                                    | m-phenoxybenzyl (±)-cis, trans-2,2-dimethyl-3-(2-methylpropanoyl)cyclopropanecarboxylate |
| phenothon                                    | C₁₉H₂₀O₃                                           |
| pilmelaudium                                    | erythro-5-carboxamoyl-N[2-N-(N-lauroyl-ε-
| pilmelaudite                                    | 2-γ-glutamyl-ε-lysine                              |
| pilmelaudite                                    | C₁₉H₂₀N₂O₄                                          |
| piperquinolium                                 | 2-phenyl-4-[2-(4-piperidyl)ethyl]quinoline         |
| piperquinolium                                 | C₁₉H₂₀N₂                                             |
| piquindonum                                    | (±)-trans-3-ethyl-1,4a,5,6,7,8a,9-octahydro-2,6-dimethyl-4
<p>| piquinone                                      | 4N-pyrrolo[2,3-g]isoquinolin-4-one                   |
| piquinone                                      | C₁₉H₂₀N₂O₄                                          |</p>
<table>
<thead>
<tr>
<th>Chemical Name or Description and Molecular Formulae</th>
<th>Nonproprietary Name (Latin, English)</th>
</tr>
</thead>
<tbody>
<tr>
<td>imidazo[1,5-a]pyridine-5-hexanoic acid</td>
<td>primigrum</td>
</tr>
<tr>
<td>C₅H₆N₂O₂</td>
<td>pirmagrel</td>
</tr>
<tr>
<td>2,2-dimethylthiopropionic acid, S-ester with (~)-(S)-N-cyclohexyl-N-(3-mercaptop-2-methylpropionyl)glycine</td>
<td>pivopril</td>
</tr>
<tr>
<td>C₅H₁₀N₂O₃</td>
<td>quazinonum (R)-6-chloro-1,5-dihydro-3-methylimidazo[2,1-b]quinazolin-2(3H)-one</td>
</tr>
<tr>
<td>quiniprole (−)-(4aR,8aR)-4,4a,5,6,7,8,8a,9-octahydro-5-propyl-1H-pyrrozol[3,4-g]quinoline</td>
<td>quiniprol</td>
</tr>
<tr>
<td>raclopride (−)-(S)-3,5-dichloro-N-[(1-ethyl-2-pyrrolidinylmethyl]-6-hydroxy-o-anisamide</td>
<td>racloprium</td>
</tr>
<tr>
<td>(Z)-5'-chloro-3-methyl-4-oxo-6-thiazolidineacetico-toluide</td>
<td>ralitolinum</td>
</tr>
<tr>
<td>ramiprilat (2S,3aS,6aS)-1-[(S)-N-[(S)-1-carboxy-3-phenylpropyl]alanlyl]octahydrocyclopenta[b]pyrrole-2-carboxylic acid</td>
<td>ramiprilat</td>
</tr>
<tr>
<td>ramipril (2S,3aS,6aS)-1-[(S)-N-[(S)-1-carboxy-3-phenylpropyl]alanlyl]octahydrocyclopenta[b]pyrrole-2-carboxylic acid, 1-ethyl ester</td>
<td>ramipril</td>
</tr>
<tr>
<td>razobazamum 4,8-dihydro-3,8-di-methyl-4-phenylpyrazolo[3,4-b][1,4]diazepine-5,7-[1H,6H]-dione</td>
<td>razobazam</td>
</tr>
<tr>
<td>reclazepamum 2-(7-chloro-5-o-chlorophenyl)-2,3-dihydro-1H,1,4-benzodiazepin-1-yl)-2-oxazolin-4-one</td>
<td>reclazepam</td>
</tr>
<tr>
<td>rilapinum (Z)-2-chloro-10-(4-methyl-1-piperazinyl)-5H-dibenzo[a,d]cycloheptene-4′-acetonitrile</td>
<td>rilpine</td>
</tr>
<tr>
<td>rokitamycin [(4R,5S,6S,7R,9R,10R,11E,13E,16R)-7-(formylmethyl)-4,10-dihydroxy-5-methoxy-9,16-dimethyl-2-oxooxacycloc hexadeca-11,13-dien-8-yl] 3,6-dideoxy-4-O-[2,8-dideoxy-3-C-(methyl-o-ribo-hexopyranosyl)-3-(dimethylamino)- β-glucopyranoside 4′-butyrate -3′-propionate</td>
<td>rokitamycin</td>
</tr>
<tr>
<td>roquinimexum 1,2-dihydro-4-hydroxy-N,1-dimethyl-2-oxo-3-quinolinecarboxanilide</td>
<td>roquinime</td>
</tr>
<tr>
<td>Recommended international Nonproprietary Name (Latin, English)</td>
<td>Chemical Name or Description and Molecular Formulae</td>
</tr>
<tr>
<td>---------------------------------------------------------------</td>
<td>------------------------------------------------------</td>
</tr>
<tr>
<td>sorbinillum</td>
<td>(S)-6-fluorospiro[chroman-4,4'imidazolidine]-2',5'-dione</td>
</tr>
<tr>
<td>sorbinil</td>
<td>$C_{14}H_{2}FN_{2}O_{3}$</td>
</tr>
<tr>
<td>spiradolinum</td>
<td>$(\pm)-2(3,4$-dichlorophenyl)-N-methyl-N-[(5'R', 7'S',8'S')-7-(1-pyrroldinyl)-1-oxaspiro[4.5]dec-8-yl]acetamide</td>
</tr>
<tr>
<td>spiradoline</td>
<td>$C_{23}H_{16}Cl_{6}N_{2}O_{7}$</td>
</tr>
<tr>
<td>sulcinatum</td>
<td>[2,3-dichloro-4-(4-chloro-3-sulfamoylbenzoyl)phenoxy]acetic acid</td>
</tr>
<tr>
<td>sulcinate</td>
<td>$C_{18}H_{14}Cl_{2}N_{2}O_{5}$</td>
</tr>
<tr>
<td>sunagrelum</td>
<td>erythra-4-cinnamoyl-a-[p-(isopropylthio)phenyl]-β-methyl-1-piperazineethanol</td>
</tr>
<tr>
<td>sunagrel</td>
<td>$C_{34}H_{32}N_{2}O_{10}$</td>
</tr>
<tr>
<td>tazadoelemum</td>
<td>$(\pm)-1-[(E)-2-benzylideneacyclohexyl]azetidine</td>
</tr>
<tr>
<td>tazadoline</td>
<td>$C_{11}H_{10}N$</td>
</tr>
<tr>
<td>tazifilinum</td>
<td>7-[2-hydroxy-3-[4-[3-phenylthio]propyl]-1-piperazinyl[propyl]theophylline</td>
</tr>
<tr>
<td>tazifiline</td>
<td>$C_{33}H_{25}N_{2}O_{6}$</td>
</tr>
<tr>
<td>tonilapinum</td>
<td>(E)-5-(4-methyl-1-piperazinyl)-9H-dithieno[3,4-b; 3',4'-e]azepine-Δ³¹-acetonitrile</td>
</tr>
<tr>
<td>tenilapine</td>
<td>$C_{24}H_{25}N_{2}O_{10}$</td>
</tr>
<tr>
<td>terbinafinum</td>
<td>(E)-N-(6,6-dimethyl-2-hepten-4-ynyl)-N-methyl-1-naphthalenemethylamino</td>
</tr>
<tr>
<td>terbinafine</td>
<td>$C_{10}H_{15}N$</td>
</tr>
<tr>
<td>thioclochlorosidium</td>
<td>2,14-didemethoxy)-2-glucosidoxy-14-methylthioclochicine</td>
</tr>
<tr>
<td>thioclochloroside</td>
<td>$C_{24}H_{25}N_{2}O_{6}S$</td>
</tr>
<tr>
<td>tacnaflast</td>
<td>(E)-6-(methylthio)-4-oxy-3[4H]-quinazolineacrylic acid</td>
</tr>
<tr>
<td>tacnlast</td>
<td>$C_{14}H_{17}N_{2}O_{4}$</td>
</tr>
<tr>
<td>tilfluconbinum</td>
<td>9-ethyl-4-fluoro-7,8,9,10-tetrahydro-1-methyl-6H-pyrido[4,3-b]thieno[3,2-e]indole</td>
</tr>
<tr>
<td>tilfluconbine</td>
<td>$C_{14}H_{17}F_{2}N_{2}O_{4}$</td>
</tr>
<tr>
<td>tioxamast</td>
<td>ethyl [4-(p-methoxyphenyl)-2-thiazolyl]oxamate</td>
</tr>
<tr>
<td>tioxamast</td>
<td>$C_{14}H_{19}N_{2}O_{4}$</td>
</tr>
<tr>
<td>tolgabidum</td>
<td>(E)-4-[5-chloro-a-[p-chlorophenyl]-3-methylsalicylidenemino]butyramide</td>
</tr>
<tr>
<td>tolgabide</td>
<td>$C_{18}H_{16}Cl_{2}N_{2}O_{2}$</td>
</tr>
<tr>
<td>toltrazuril</td>
<td>1-methyl-3-[4-[p-[trifluoromethyl][thio]phenoxy]-m-toly]-s-triazine-2,4,6(1H,3H,5H)-trione</td>
</tr>
<tr>
<td>toltrazuril</td>
<td>$C_{15}H_{16}F_{2}N_{2}O_{4}$</td>
</tr>
<tr>
<td>tomoxiprolum</td>
<td>3-isopropyl-2-(p-methoxyphenyl)-3H-naphth[1,2-d]imidazole</td>
</tr>
<tr>
<td>tomoxiprole</td>
<td>$C_{14}H_{14}N_{2}O$</td>
</tr>
<tr>
<td>toremifene</td>
<td>2-[p-[2-(1,2-diphenyl-1-butenyl]phenoxy]-N,N-dimethylethylamine</td>
</tr>
<tr>
<td>toremifene</td>
<td>$C_{48}H_{48}N_{2}O$</td>
</tr>
<tr>
<td>Nonproprietary Name</td>
<td>Chemical Name or Description and Molecular Formulae</td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------------------------------------------</td>
</tr>
<tr>
<td>trandolapril</td>
<td>[25,3αR,7aS]-1-[(S)-2-carboxy-3-pheny[propionyl]alany]hexahydro-2-indolinecarboxylic acid, 1-ethy ester</td>
</tr>
<tr>
<td></td>
<td>C_{27}H_{32}N_{2}O_{3}</td>
</tr>
<tr>
<td>trocadrin</td>
<td>(1R,2S)-N-[1-[[3-(10,11-dihydro-5H-dibenzo[a,e]cyclohepten-5-ylidene)ethyl]-methylamino]ethyl]benzyl alcohol</td>
</tr>
<tr>
<td></td>
<td>C_{27}H_{34}NO</td>
</tr>
<tr>
<td>trifenagrel</td>
<td>2-[o-[2-(dimethylamino)ethoxy]phenyl]-4,5-diphenylimidazole</td>
</tr>
<tr>
<td></td>
<td>C_{28}H_{34}N_{2}O</td>
</tr>
<tr>
<td>trospectomycin</td>
<td>[2R,4αR,5αR,6S,7S,8R,9S,9αα,10α]α-2-butyldihydro-4α7,9-trihydroxy-8,8-bis(methylamino)-4H-pyran[2,3-b][1,4]benzodioxin-4-one</td>
</tr>
<tr>
<td></td>
<td>C_{28}H_{36}N_{2}O</td>
</tr>
<tr>
<td>tubulozolium</td>
<td>ethyl (±)-cis-3-[[2-(2,4-dichlorophenyl)-2-(imidazol-1-ylmethyl)-1,3-dioxolan-4-yl)ethyl][hilo]carbanilate</td>
</tr>
<tr>
<td></td>
<td>C_{24}H_{21}Cl_{2}N_{2}O_{3}S</td>
</tr>
<tr>
<td>vigabatrin</td>
<td>4-amino-5-hexenoic acid</td>
</tr>
<tr>
<td></td>
<td>C_{8}H_{13}NO_{2}</td>
</tr>
<tr>
<td>viprostol</td>
<td>(±)-methyl (Z)-7-[[1R,2R,3R]-2-[(E)-4RS]-4-butyl-4-hydroxy-1,5-hexadienyl]-3-hydroxy-5-oxocyclopentyl]-5-heptenoate</td>
</tr>
<tr>
<td></td>
<td>C_{27}H_{36}O_{2}</td>
</tr>
<tr>
<td>zimidobenem</td>
<td>2-imidazol-1-yethyl benzoate or imidazol-1-ethanol benzoate (ester)</td>
</tr>
<tr>
<td></td>
<td>C_{24}H_{22}N_{2}O_{2}</td>
</tr>
<tr>
<td>zolpidem</td>
<td>N,N,6-trimethyl-2-p-tolylimidazo[1,2-a]pyridine-3-acetamide</td>
</tr>
<tr>
<td></td>
<td>C_{24}H_{28}N_{2}O</td>
</tr>
<tr>
<td>zonisamidum</td>
<td>1,2-benzisoxazole-3-methanesulfonamide</td>
</tr>
<tr>
<td></td>
<td>C_{12}H_{17}N_{2}O_{3}</td>
</tr>
</tbody>
</table>
Recommended International Nonproprietary Names (Rec. INN): List 5

Interferon alfa: A secreted protein, known previously as leucocyte interferon or lymphoblastoid interferon, that is produced according to the information coded by a species of interferon gene and that exerts non-specific antiviral activity at least in homologous cells through cellular metabolic processes involving synthesis of both ribonucleic acid and protein. Sub-species of the human alfa gene produce protein variants designated by the hyphenated addition of a number, e.g., interferon alfa-2, or in the case of a mixture of proteins, by an alphanumeric designation e.g., N1, N2 etc. The numbers conform with the recommendations of the Interferon Nomenclature Committee; the alphanumeric designations will be assigned by the World Health Organization on request.

In the case of interferon alfa-2 it is necessary to qualify the number by a letter depending on the amino-acid group occupying positions 23 and 34 respectively in the peptide chain:

<table>
<thead>
<tr>
<th>Positions</th>
<th>23</th>
<th>34</th>
</tr>
</thead>
<tbody>
<tr>
<td>alfa-2a</td>
<td>Lys</td>
<td>His</td>
</tr>
<tr>
<td>alfa-2b</td>
<td>Arg</td>
<td>His</td>
</tr>
<tr>
<td>alfa-2c</td>
<td>Arg</td>
<td>Arg</td>
</tr>
</tbody>
</table>

Further assignments will be made by the World Health Organisation on request.

Interferon beta: A secreted protein, known previously as fibroblast interferon, that is produced according to the information coded by a species of interferon gene and that exerts non-specific antiviral activity at least in homologous cells through cellular metabolic processes involving synthesis of both ribonucleic acid and protein.

Interferon gamma: A secreted protein, known previously as immune interferon, that is produced according to the information coded by a species of interferon gene and that exerts non-specific antiviral activity at least in homologous cells through cellular metabolic processes involving synthesis of both ribonucleic acid and protein.
AMENDMENTS
TO PREVIOUS LISTS

Vol. 21, No 12

Recommended International Nonproprietary Names (Rec. INN): List 7

p 541  colestyramine  replace definition by:
colestyramine  A styrene-divinylbenzene copolymer containing quaternary ammonium groups,
Each colestyramine name is followed by a number e.g. colestyramine 20, 25 etc. The number divided by 10 indicates the approximative percentage of
divinylbenzene

Supplement to Vol. 36, No 6

Recommended International Nonproprietary Names (Rec. INN): List 22

p 4  lortalammin  replace chemical name by.
lortalamine  (±)-(4αR*,10R*,10aS*)-8-chloro-1,2,3,4,10,10a-hexahydro-2-methyl-4a,10-
(iminoethano)-4-azabicyclo[3.2.0]heptene-2-carboxylic acid

Supplement to Vol. 38, No 6

Recommended International Nonproprietary Names (Rec. INN): List 24

p 8  oxacillinium  insert the following chemical name:
oxacillin  (2S,5R,6R)-3,3-dimethyl-8-(5-methyl-2-phenyl-2-isoxazoline-4-carboxamido)-7-
oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid

delte

p 10  trazolopride  insert
trazalopride  trazolopride