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International Non-Proprietary Names for Pharmaceutical Preparations

In accordance with paragraph 3 of the Procedure for the Selection of Recommended International Non-Proprietary Names for Pharmaceutical Preparations,¹ notice is hereby given that the following names are under consideration by the World Health Organization as Proposed International Non-Proprietary Names.

Comments on, or formal objections to, the

proposed names may be forwarded by any person to the Pharmaceutical unit of the World Health Organization within four months of the date of their publication in the *WHO Chronicle*.

The inclusion of a name in the lists of proposed international non-proprietary names does not imply any recommendation for the use of the substance in medicine or pharmacy.

PROPOSED INTERNATIONAL NON-PROPRIETARY NAMES (*Prop. I.N.N.*): LIST 13²

<i>Proposed International Non-Proprietary Name (Latin, English)</i>	<i>Chemical Name or Description</i>
aceclidinium	3-quinuclidinol acetate
aceclidine	
acetiaminum	<i>N</i> -(4-amino-2-methyl-5-pyrimidinyl)methyl]- <i>N</i> -(4-hydroxy-2-mercaptop-1-methyl-1-butenyl)formamide <i>O,S</i> -diacetate
acetiamine	
acetryptinum	3-(2-aminoethyl)indol-5-yl methyl ketone
acetryptine	
acetylcysteinum	<i>N</i> -acetylcysteine
acetylcysteine	
acidum clofenanticum	<i>N</i> -(2,3-dichlorophenyl)anthranilic acid
clofenantic acid	
acidum flufenamicum	<i>N</i> -(α,α,α -trifluoro- <i>m</i> -tolyl)anthranilic acid
flufenamic acid	
acidum fusidicum	an antibiotic substance obtained from cultures of <i>Fusidium coccineum</i> , or the same substance produced by any other means
fusidic acid	
acidum fyticum	phytic acid
ftytic acid	
acidum iotalamicum	5-acetamido-2,4,6-triiodo- <i>N</i> -methylisophthalamic acid
iotalamic acid	
acidum kainicum	2-carboxy-4-isopropenyl-3-pyrrolidineacetic acid
kainic acid	

¹ See Annex, p. 398.

² Other lists of proposed international non-proprietary names can be found in *Chron. Wld Hlth Org.*, 1953, 7, 299; 1954, 8, 216, 313; 1956, 10, 28; 1957, 11, 231; 1958, 12, 102; *WHO Chronicle*, 1959, 13, 105, 152; 1960, 14, 168, 244; 1961, 15, 314; 1962, 16, 385. Lists of recommended international non-proprietary names were published in *Chron. Wld Hlth Org.*, 1955, 9, 185; *WHO Chronicle*, 1959, 13, 106, 463; 1962, 16, 101.

*Proposed International
Non-Proprietary Name
(Latin, English)*

Chemical Name or Description

acidum mefenamicum mefenamic acid	<i>N</i> -2,3-xylylanthranilic acid
acidum nalidixicum nalidixic acid	1-ethyl-1,4-dihydro-7-methyl-4-oxo-1,8-naphthyridine-3-carboxylic acid
acrisorcinum acrisorcin	9-aminoacridine compound with 4-hexylresorcinol
alazani triclofenas alazanine triclofenate	3-ethyl-2-[3-(3-ethyl-2-benzothiazolinylidene)propenyl] benzothiazolium 2,4,5-trichlorophenoxyde compound with 2,4,5-trichlorophenol
albutoinum albutoin	3-allyl-5-isobutyl-2-thiohydantoin
aloxiprimum aloxiprin	basic aluminium acetylsalicylate complex
altizidum altizide	3-[(allylthio)methyl]-6-chloro-3,4-dihydro-2 <i>H</i> -1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide
ambomycinum ambomycin	an antibiotic substance obtained from cultures of <i>Streptomyces ambofaciens</i> , or the same substance produced by any other means
amfepramonum amfepramone	2-(diethylamino)propiophenone
ampicillinum ampicillin	(-)-6-(2-amino-2-phenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid
ampyriminum ampyrimine	2,4,7-triamino-5-phenylpyrimido[4,5- <i>d</i>]pyrimidine
anazolenum natricum sodium anazolene	4-[(4-anilino-5-sulfo-1-naphthyl)azo]-5-hydroxy-2,7-naphthalenedisulfonic acid, trisodium salt
anilamatum anilamate	methylcarbamate of salicylanilide
argipressinum argipressin	8-argininevasopressin
argiprestocinum argiprestocin	8-arginineoxytocin
azotomycinum azotomycin	an antibiotic substance obtained from cultures of <i>Streptomyces ambofaciens</i> , or the same substance produced by any other means
batilolum batilol	3-(octadecyloxy)-1,2-propanediol
benfotiaminum benfotiamine	<i>N</i> -[(4-amino-2-methyl-5-pyrimidinyl)methyl]- <i>N</i> -(4-hydroxy-2-mercaptop-1-methyl-1-but enyl)formamide <i>S</i> -benzoate <i>O</i> -phosphate
bentiaminum bentiamine	<i>N</i> -[(4-amino-2-methyl-5-pyrimidinyl)methyl]- <i>N</i> -(4-hydroxy-2-mercaptop-1-methyl-1-but enyl)formamide <i>O,S</i> -dibenzoate
benzarorum benzarone	2-ethyl-3-benzofuranyl <i>p</i> -hydroxyphenyl ketone
benzbromaronom benzbromarone	3,5-dibromo-4-hydroxyphenyl 2-ethyl-3-benzofuranyl ketone
benzilonii bromidum benzilonium bromide	1,1-diethyl-3-hydroxypyrrolidinium bromide benzilate

<i>Proposed International Non-Proprietary Name (Latin, English)</i>	<i>Chemical Name or Description</i>
benzodepum	benzyl [bis(1-aziridinyl)phosphinyl]carbamate
benzodepa	
benzquinamidum	<i>N,N</i> -diethyl-1,3,4,6,7,11b-hexahydro-2-hydroxy-9,10-dimethoxy-2 <i>H</i> -benzo[<i>a</i>]quinolizine-3-carboxamide acetate
benzquinamide	
betahistinum	2-[(2-methylamino)ethyl]pyridine
betahistine	
betanidinum	1-benzyl-2,3-dimethylguanidine
betanidine	
betoxycainum	2-[2-(diethylamino)ethoxy]ethyl 3-amino-4-butoxybenzoate
betoxycaine	
bisacodylum	4,4'-(2-pyridylmethylene)diphenol diacetate
bisacodyl	
bisbentiaminum	<i>N,N'</i> -{dithiobis[2-(2-hydroxyethyl)-1-methylvinylene]} bis[<i>N</i> [(4-amino-2-methyl-5-pyrimidinyl)methyl]formamide}
bisbentiamine	
bolasteronum	7 <i>α</i> ,17-dimethyltestosterone
bolasterone	
bromacrylidum	<i>N</i> [(3-bromopropionamido)methyl]acrylamide
bromacrylide	
bufenadrinum	2-(<i>o-tert</i> -butyl- <i>α</i> -phenylbenzyloxy)- <i>N,N</i> -dimethylethylamine
bufenadrine	
butaperazinum	1-[10-[3-(4-methyl-1-piperazinyl)propyl]phenothiazin-2-yl]-1-butanone
butaperazine	
butaverinum	butyl-3-(3-phenyl-1-piperidyl)propionate
butaverine	
<u>butizidum</u>	3-isobutyl-6-chloro-3,4-dihydro-2 <i>H</i> -1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide
<u>butizide</u>	
butopiprinum	2-butoxyethyl <i>α</i> -phenyl-2-piperidineacetate
butopiprine	
carsalamum	2 <i>H</i> -1,3-benzoxazine-2,4(3 <i>H</i>)-dione
<u>carsalam</u>	
<u>clefamidum</u>	2,2-dichloro- <i>N</i> -2-hydroxyethyl- <i>N</i> -[<i>p</i> -(<i>p</i> -nitrophenoxy)benzyl]acetamide
<u>clefamide</u>	
clobenztropinum	3-(<i>p</i> -chloro- <i>α</i> -phenylbenzyloxy)tropane
clobenztropine	
clodacainum	2'-chloro-2-[(2-diethylaminoethyl)ethylamino]acetanilide
clodacaine	
clodantoinum	5-(1-ethylpentyl)-3-(trichloromethylthio)hydantoin
clodantoin	
clofenamidum	4-chloro- <i>m</i> -benzenedisulfonamide
clofenamide	
clofibratum	ethyl 2-(<i>p</i> -chlorophenoxy)-2-methylpropionate
<u>clofibrate</u>	
clonitratum	3-chloro-1,2-propanediol dinitrate
<u>clonitrate</u>	

*Proposed International
Non-Proprietary Name
(Latin, English)*

Chemical Name or Description

clopamidum	4-chloro- <i>N</i> -(<i>cis</i> -2,6-dimethylpiperidino)-3-sulfamoylbenzamide
<u>clopamide</u>	
cloralam betainum	chloral hydrate compound with betaine
cloral betaine	
cloramfenicoli pantotenas	chloramphenicol complex with calcium pantothenate
cloramfenicol pantotenate	
clorindionum	2-(<i>p</i> -chlorophenyl)-1,3-indanedione
clorindione	
cloxacillinum	6-[3-(<i>o</i> -chlorophenyl)-5-methyl-4-isoxazolecarboxamido]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid
cloxacillin	
colecalciferolum	cholecalciferol
colecalciferol	
coumetarolum	4,4'-dihydroxy-3,3'-(2-methoxyethylidene) dicoumarin
coumetarol	
cyamemazinum	10-[3-(dimethylamino)-2-methylpropyl]phenothiazine-2-carbonitrile
cyamemazine	
cyclaramatum	1,1-cyclopentanediethanol dicarbanilate
cyclaramate	
cycloguanili embonas	4,6-diamino-1-(<i>p</i> -chlorophenyl)-1,2-dihydro-2,2-dimethyl- <i>s</i> -triazine compound (2:1) with 4,4'-methylenebis[3-hydroxy-2-naphthoic acid]
cycloguanil embonate	
cyclomenolum	2-cyclohexyl-3,5-xylenol
cyclomenol	
cyclovalonum	2,6-divanillylidene cyclohexanone
cyclovalone	
desipraminum	10,11-dihydro-5-(3-methylaminopropyl)-5 <i>H</i> -dibenz[<i>b,f</i>]azepine
desipramine	
dexoxadrololum	(+)-2-(2,2-diphenyl-1,3-dioxolan-4-yl)piperidine
dexoxadrol	
diclofenamidum	4,5-dichloro- <i>m</i> -benzenedisulfonamide
diclofenamide	
dietroxinum	5,5-diethyldihydro-2 <i>H</i> -1,3-oxazine-2,4(3 <i>H</i>)-dione
dietroxine	
difenidolum	α,α -diphenyl-1-piperidinebutanol
difenidol	
dimefadanum	<i>N,N</i> -dimethyl-3-phenyl-1-indanamine
dimefadane	
dimetindenum	2-[1-[2-(2-dimethylaminoethyl)inden-3-yl]ethyl]pyridine
dimetindene	
dioxadrololum	2-(2,2-diphenyl-1,3-dioxolan-4-yl)piperidine
dioxadrol	
dipyridamolum	2,2',2'',2'''-[(4,8-dipiperidinopyrimido[5,4- <i>d</i>]pyrimidine-2,6-diyl)dinitrilo]tetraethanol
dipyridamole	
doxapramum	1-ethyl-4-(2-morpholinoethyl)-3,3-diphenyl-2-pyrrolidinone
<u>doxapram</u>	
drostanolunum	17 β -hydroxy-2 α -methyl-5 α -androstan-3-one
drostanolone	

*Proposed International
Non-Proprietary Name
(Latin, English)*

Chemical Name or Description

duazomycinum	an antibiotic substance obtained from cultures of <i>Streptomyces ambofaciens</i> , or the same substance produced by any other means
duazomycin	
efloxatum	
<u>efloxate</u>	ethyl[(4-oxo-2-phenyl-4H-1-benzopyran-7-yl)oxy]acetate
epitizidum	
epitizide	6-chloro-3,4-dihydro-3-[(2,2,2-trifluoroethyl)thio]methyl]-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide
eritryli tetranitras	
eritryli tetranitrate	erythritol tetranitrate
ethylestrenolum	
ethylestrenol	17 α -ethyl-19-nor-pregn-4-en-17-ol
etoxazenum	
etoxazene	4-[(<i>p</i> -ethoxyphenyl)azo]- <i>m</i> -phenylenediamine
etymemazinum	
etymemazine	10-(3-dimethylamino-2-methylpropyl)-2-ethylphenothiazine
etynodioli acetas.	
etynodiol acetate	19-nor-17 α -pregn-4-en-20-yn-3 β ,17-diol diacetate
felypressinum	
felypressin	2-(phenylalanine)-8-lysinevasopressin
fenbenicillinum	
fenbenicillin	3,3-dimethyl-7-oxo-6-(2-phenoxy-2-phenylacetamido)-thia-1-azabicyclo[3.2.0.]heptane-2-carboxylic acid
fencarbamidum	
fencarbamide	<i>S</i> -2-diethylaminoethyl diphenylthiocarbamate
fenyripolum	
fenyripol	α -(2-pyrimidinylaminomethyl)benzyl alcohol
fluanisonum	
fluanisone	4'-fluoro-4-[4-(<i>o</i> -methoxyphenyl)-1-piperazinyl]butyropheronone
flumetasonom	
flumetasone	6 α ,9-difluoro-11 β ,17,21-trihydroxy-16 α -methylpregna-1,4-diene-3,20-dione
fluorouracilum	
fluorouracil	5-fluorouracil
fluperolonum	
fluperolone	9-fluoro-11 β ,17,21-trihydroxy-21-methylpregna-1,4-diene-3,20-dione 21-acetate
fluprednisolonom	
fluprednisolone	6 α -fluoro-11 β ,17,21-trihydroxypregna-1,4-diene-3,20-dione
furotylum	
<u>furotyl</u>	bis(2,2,2-trifluoroethyl) ether
furalazinum	
furalazine	3-amino-6-[2-(5-nitro-2-furyl)vinyl]- <i>as</i> -triazine
furazolidonum	
furazolidone	3-[(5-nitrosulfurylidene)amino]-2-oxazolidinone
galantaminum	
galantamine	1,2,3,4,6,7,7a,11c-octahydro-9-methoxy-2-methylbenzofuro[4,3,2- <i>efg</i>][2]benzazocin-6-ol
glucaloxum	
<u>glucalox</u>	glycerol complex with aluminium hydroxide
<u>glypinamidum</u>	
glypinamide	1-(<i>p</i> -chlorophenylsulfonyl)-3-(hexahydro-1H-azepin-1-yl)urea

*Proposed International
Non-Proprietary Name
(Latin, English)*

Chemical Name or Description

hexadilinum	2-(2,2-dicyclohexylvinyl)piperidine
hexadiline	
hexamidinum	4,4'-(hexamethylenedioxy)dibenzamidine
hexamidine	
hexopyrronii bromidum	1,1-dimethylpyrrolidinium bromide α -phenylcyclohexane glycolate
hexopyrronium bromide	
indometacinum	1-(<i>p</i> -chlorobenzoyl)-5-methoxy-2-methylindole-3-acetic acid
indometacin	
iproclozidum	<i>p</i> -chlorophenoxyacetic acid 2-isopropylhydrazide
iproclozide	
isoetarinum	α -(1-isopropylaminopropyl)protocatechual alcohol
isoetarine	
itramini tosylas *	2-aminoethanol nitrate(ester) <i>p</i> -toluenesulfonate
itramin tosylate	
kitasamycinum	an antibiotic substance obtained from cultures of <i>Streptomyces kitasensis</i> , or the same substance produced by any other means
kitasamycin	
leiopyrrolum	1-[<i>o</i> -[2-(diethylamino)ethoxy]phenyl]-2-methyl-5-phenylpyrrole
leiopyrrole	
levoglutamidum	glutamine
levoglutamide	
levoxadrolum	($-$)-2-(2,2-diphenyl-1,3-dioxolan-4-yl)piperidine
levoxadrol	
lincomycinum	an antibiotic substance obtained from cultures of <i>Streptomyces lincolnensis</i> , or the same substance produced by any other means
lincomycin	
lucimycinum	an antibiotic substance obtained from cultures of <i>Streptomyces lucensis</i> , or the same substance produced by any other means
lucimycin	
lynestrenolum	19-nor-17 α -pregn-4-en-20-yn-17-ol
lynestrenol	
lypressinum	8-lysinevasopressin
lypressin	
mecloxaminum	2-[(<i>p</i> -chloro- α -methyl- α -phenylbenzyl)oxy]- <i>N,N</i> -dimethylpropylamine
mecloxamine	
mecysteignum	methyl ester of cysteine
mecysteine	
megestrolum	17-hydroxy-6-methylpregna-4,6-diene-3,20-dione
megestrol	
melengestrolum	17-hydroxy-6-methyl-16-methylenepregna-4,6-diene-3,20-dione
melengestrol	
menotrophinum	human menopausal gonadotrophin
menotrophin	
meraleinum naticum	α -[6-hydroxy-5-(hydroxymercuri)-2,7-diido-3-oxo-3 <i>H</i> -xanthen-9-yl]benzenesulfonic acid, sodium salt
sodium meralein	
meturedepum	[bis(2,2-dimethyl-1-aziridinyl)phosphinyl]carbamic acid ethyl ester
meturedepa	

* Itramin is the proposed International Non-proprietary Name for the substance having the chemical name "aminoethyl nitrate" (Prop. I.N.N., List 1)

<i>Proposed International Non-Proprietary Name (Latin, English)</i>	<i>Chemical Name or Description</i>
metyraponum	2-methyl-1,2-di-3-pyridyl-1-propanone
metyrapone	
molinazonum	3-morpholino-1,2,3-benzotriazin-4(3 <i>H</i>)-one
molinazone	
morinamidum	
morinamide	<i>N</i> -(morpholinomethyl)pyrazinecarboxamide
<u>nafcillinum</u>	
<u>nafcillin</u>	6-(2-ethoxy-1-naphthamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid
<u>naloxonum</u>	
<u>naloxone</u>	12-allyl-7,7a,8,9-tetrahydro-3,7a-dihydroxy-4a <i>H</i> -8,9c-iminoethano-phenanthro[4,5- <i>bcd</i>]furan-5(6 <i>H</i>)-one
natrii bitionolas	
sodium bitionolate	disodium 2,2'-thiobis(4,6-dichlorophenoxyde)
natrii etasulfas	
sodium etasulfate	2-ethylhexyl sodium sulfate
natrii metrizoas	
sodium metrizoate	sodium 3-acetamido-2,4,6-triiodo-5- <i>N</i> -methylacetamidobenzoate
natrii radio-iodidum (¹³¹ I)	
sodium radio-iodide (¹³¹ I)	
natrii timerfonas	
sodium timerfonate	ethyl[(<i>p</i> -sulfophenyl)thio]mercury, sodium salt
niclosamidum	
niclosamide	2',5-dichloro-4'-nitrosalicylanilide
nonapyriminum	
nonapyrimine	4-nonylamino-7 <i>H</i> -pyrrolo[2,3- <i>d</i>]pyrimidine
noretynodrelum	
noretynodrel	17-hydroxy-17 <i>a</i> -pregn-5(10)-en-20-yn-3-one
octotiaminum	
octotiamine	8-[2-[<i>N</i> -[(4-amino-2-methyl-5-pyrimidinyl)methyl]formamido]-1-(2-hydroxyethyl)propenyl]dithio]-6-mercaptopoctanoic acid, methyl ester acetate
ortetaminum	
ortetamine	<i>o</i> , <i>o</i> -dimethylphenethylamine
oxazepamum	
oxazepam	7-chloro-1,3-dihydro-3-hydroxy-5-phenyl-2 <i>H</i> -1,4-benzodiazepin-2-one
oxetacainum	
oxetacaine	2,2'-(2-hydroxyethylimino)bis[<i>N</i> -(<i>o</i> , <i>o</i> -dimethylphenethyl)- <i>N</i> -methylacetamide]
oxomemazinum	
oxomemazine	10-[3-(dimethylamino)-2-methylpropyl]phenothiazine, 5,5-dioxide
oxonazinum	
oxonazine	<i>N</i> ² , <i>N</i> ² -diallylmelamine <i>N</i> ² -oxide
oxybutyninum	
oxybutynin	4-diethylamino-2-butynyl <i>o</i> -phenylcyclohexaneglycolate
oxyclipinum	
oxyclipine	<i>l</i> -methyl-3-piperidyl <i>o</i> -phenylcyclohexaneglycolate
oxyfenamatum	
oxyfenamate	β -ethyl-8-hydroxyphenethyl carbamate

<i>Proposed International Non-Proprietary Name (Latin, English)</i>	<i>Chemical Name or Description</i>
oxymetazolinum	6- <i>tert</i> -butyl-3-(2-imidazolin-2-ylmethyl)-2,4-dimethylpheno!
oxymetazoline	
oxypendylum	4-[3-(10 <i>H</i> -pyrido[3,2- <i>b</i>][1,4]benzothiazin-10-yl)propyl]-1-piperazineethanol
oxypendyl	
oxypyrrtonii bromidum	2-(2-hydroxyethyl)-1,1-dimethylpyrrolidinium bromide
oxypyrronium bromide	<i>o</i> -phenylcyclohexaneglycolate
oxytocinum	oxytocin
oxytocin	
pargylinum	<i>N</i> -methyl- <i>N</i> -2-propynylbenzylamine
<u>pargyline</u>	
<u>paxamatum</u>	4-biphenyl methylcarbamate
<u>paxamate</u>	
pentabamatum	3-methyl-2,4-pentanediol dicarbamate
pentabamate	
pentalamidum	<i>o</i> -(pentyloxy)benzamide
pentalamide	
periciazinum	10-[3-(4-hydroxypiperidino)propyl]phenothiazine-2-carbonitrile
periciazine	
picloxydinum	1,1'-(1,4-piperazinediylbis(imidocarbonyl))bis[3-(<i>p</i> -chlorophenyl)guanidine]
picloxydine	
pimetinum	4-benzyl-1-(2-dimethylaminoethyl)piperidine
<u>pimetine</u>	
poldini methylsulfas	1-methyl-2-pyrrolidinemethanol benzilate methylsulfate
poldine methylsulfate	
prednisolamatum	11 <i>β</i> ,17,21-trihydroxypregna-1,4-diene-3,20-dione 21- <i>N,N</i> -diethylglycine ester
prednisolamate	
prednylidenum	11 <i>β</i> ,17,21-trihydroxy-16-methylenepregna-1,4-diene-3,20-dione
prednylidene	
propetandrolum	19-nor-17 <i>a</i> -pregn-4-ene-3 <i>β</i> ,17-diol 3-propionate
propetandrol	
propicillinum	3,3-dimethyl-7-oxo-6-(2-phenoxybutyramido)-4-thia-1-azabicyclo[3.2.0.]heptane-2-carboxylic acid
propicillin	
prosultiaminum	<i>N</i> -(4-amino-2-methyl-5-pyrimidinyl)methyl]- <i>N</i> -(4-hydroxy-1-methyl-2-(propylthio)-1-but enyl) formamide
prosultiamine	
pyrrocaïnum	1-pyrrolidineacetanilide
pyrrocaïne	
quingestronum	3-(cyclopentyloxy)pregna-3,5-dien-20-one
<u>quingestrone</u>	
radio-aurum (¹⁹⁸ Au)-colloidale	
radio gold (¹⁹⁸ Au) colloidal	
radiocyanocobalaminum (⁶⁰ Co)	vitamin B ₁₂ containing radioactive cobalt
radiocyanocobalamin (⁶⁰ Co)	
radiotolpovidonum (¹³¹ I)	<i>ω</i> -(<i>p</i> -iodo- ¹³¹ I-benzyl)-2-(2-oxo-1-pyrrolidinyl)ethamer (derivative of <i>p</i> -toluidine polyvinylpyrrolidone obtained by partial iodization with ¹³¹ I)
radiotolpovidone (¹³¹ I)	
renytolinum	<i>α</i> -fluoren-9-ylidene- <i>p</i> -toluamidine
renytonine	

*Proposed International
Non-Proprietary Name
(Latin, English)*

Chemical Name or Description

rifamycinum	an antibiotic substance obtained from cultures of <i>Streptomyces mediterranei</i> , or the same substance produced by any other means
rifamycin	
sparsomycinum	an antibiotic substance obtained from cultures of <i>Streptomyces sparsogenes</i> , or the same substance produced by any other means
sparsomycin	
sparteinum	
<u>sparteine</u>	sparteine
specinomycinum	an antibiotic substance obtained from cultures of <i>Streptomyces spectabilis</i> , or the same substance produced by any other means
specinomycin	
stilbazii iodidum	1-ethyl-2,6-bis(<i>p</i> -1-pyrrolidinylstyryl)pyridinium iodide
stilbazium iodide	
streptoniazidum	isonicotinic acid hydrazide, hydrazone with streptomycin
streptoniazid	
sucraloxum	sucrose complex with aluminium hydroxide
<u>sucralox</u>	
sultiamum	benzenesulfonamide <i>p</i> -(tetrahydro-2 <i>H</i> -1,2-thiazin-2-yl)- <i>S,S</i> -dioxide
<u>sultiane</u>	
teclozanum	<i>N,N'</i> -(<i>p</i> -phenylenedimethylene)bis[2,2-dichloro- <i>N</i> -(2-ethoxyethyl)acetamide]
<u>teclozan</u>	
tiabendazolum	2-(4-thiazoly)benzimidazole
tiabendazole	
tiemondii iodidum	4-[3-hydroxy-3-phenyl-3-(2-thienyl)propyl]-4-methylmorpholinium iodide
tiemonium iodide	
tifenanilum	<i>S</i> -(2-diethylamino)ethyl diphenylthioacetate
<u>tifenamil</u>	
tolpropaminum	<i>N,N</i> -dimethyl-3-phenyl-3-(<i>p</i> -tolyl)propylamine
tolpropamine	
tolpyrrramidum	<i>N</i> - <i>p</i> -tolylsulfonyl-1-pyrrolidinecarboxamide
tolpyrramide	
triclofosum	2,2,2-trichloroethyl dihydrogen phosphate
<u>triclofos</u>	
trimetamidum	<i>N</i> -(2-amino-6-methyl-3-pyridylmethyl)-3,4,5-trimethoxybenzamide
trimetamide	
trimipratinum	10,11-dihydro-5-(3-dimethylamino-2-methylpropyl)-5 <i>H</i> -dibenz[<i>b,f</i>]azepine
trimipramine	
trometamolum	2-amino-2-(hydroxymethyl)-1,3-propanediol
<u>trometamol</u>	
troxonii tosylas	triethyl(2-hydroxyethyl)ammonium <i>p</i> -toluenesulfonate 3,4,5-trimethoxybenzoate
troxonium tosylate	
troxypyrrrolii tosylas	1-ethyl-1-(2-hydroxyethyl)pyrrolidinium <i>p</i> -toluenesulfonate 3,4,5-trimethoxybenzoate
troxypyrrrolium tosylate	
tyloxapolum	polymer of <i>p</i> -(1,1,3,3-tetramethylbutyl)phenol with ethylene glycol and formaldehyde
tyloxapol	
uramustinum	5-[bis(2-chloroethyl)amino]uracil
uramustine	
uredepum	ethyl[[bis(1-aziridinyl)phosphinyl]carbamate
<u>uredepa</u>	

<i>Proposed International Non-Proprietary Name (Latin, English)</i>	<i>Chemical Name or Description</i>
vincristinum	an alkaloid obtained from <i>Vinca rosea</i>
<u>vincristine</u>	
vinleurosimum	an alkaloid obtained from <i>Vinca rosea</i>
vinleurosine	
vinrosidinum	an alkaloid obtained from <i>Vinca rosea</i>
vinrosidine	
virginycinum	an antibiotic substance obtained from cultures of <i>Streptomyces virginiae</i> , or the same substance produced by any other means
virginycin	
NOTE	
aminophenazonum	replaces amidopyrinum
aminophenazone	amidopyrine (<i>Chron. Wld Hlth Org.</i> , 1956, 10, 28)
ergocalciferolum	replaces calciferolum
ergocalciferol	calciferol (<i>Chron. Wld Hlth Org.</i> , 1956, 10, 28; <i>WHO Chronicle</i> , 1959, 13, 463)

Annex

PROCEDURE FOR THE SELECTION OF RECOMMENDED INTERNATIONAL NON-PROPRIETARY NAMES FOR PHARMACEUTICAL PREPARATIONS *

The following procedure shall be followed by the World Health Organization in the selection of recommended international non-proprietary names for pharmaceutical preparations, in accordance with the World Health Assembly resolution WHA3.11:

1. Proposals for recommended international non-proprietary names shall be submitted to the World Health Organization on the form provided therefor.
2. Such proposals shall be submitted by the Director-General of the World Health Organization to the members of the Expert Advisory Panel on the International Pharmacopoeia and Pharmaceutical Preparations designated for this purpose, for consideration in accordance with the "General principles for guidance in devising International Non-proprietary Names", appended to this procedure. The name used by the person discovering or first developing and marketing a pharmaceutical preparation shall be accepted, unless there are compelling reasons to the contrary.
3. Subsequent to the examination provided for in article 2, the Director-General of the World Health Organization shall give notice that a proposed international non-proprietary name is being considered.
 - A. Such notice shall be given by publication in *WHO Chronicle* and by letter to Member States and to national pharmacopoeia commissions or other bodies designated by Member States.
 - (i) Notice may also be sent to specific persons known to be concerned with a name under consideration.
 - B. Such notice shall:
 - (i) set forth the name under consideration;
 - (ii) identify the person who submitted a proposal for naming the substance, if so requested by such person;
 - (iii) identify the substance for which a name is being considered;
 - (iv) set forth the time within which comments and objections will be received and the person and place to whom they should be directed;
 - (v) state the authority under which the World Health Organization is acting and refer to these rules of procedure.

* Text adopted by the Executive Board of WHO in resolution EB15.R7 (*Off. Rec. Wld Hlth Org.*, 1955, 60, 3).

C. In forwarding the notice, the Director-General of the World Health Organization shall request that Member States take such steps as are necessary to prevent the acquisition of proprietary rights in the proposed name during the period it is under consideration by the World Health Organization.

4. Comments on the proposed name may be forwarded by any person to the World Health Organization within four months of the date of publication, under article 3, of the name in *WHO Chronicle*.

5. A formal objection to a proposed name may be filed by any interested person within four months of the date of publication, under article 3, of the name in *WHO Chronicle*.

A. Such objection shall:

- (i) identify the person objecting;
- (ii) state his interest in the name;
- (iii) set forth the reasons for his objection to the name proposed.

6. Where there is a formal objection under article 5, the World Health Organization may either reconsider the proposed name or use its good offices to attempt to obtain withdrawal of the objection. Without prejudice to the consideration by the World Health Organization of a substitute name or names, a name shall not be selected by the World Health Organization as a recommended international non-proprietary name while there exists a formal objection thereto filed under article 5 which has not been withdrawn.

7. Where no objection has been filed under article 5, or all objections previously filed have been withdrawn, the Director-General of the World Health Organization shall give notice in accordance with subsection A of article 3 that the name has been selected by the World Health Organization as a recommended international non-proprietary name.

8. In forwarding a recommended international non-proprietary name to Member States under article 7, the Director-General of the World Health Organization shall:

- A. request that it be recognized as the non-proprietary name for the substance; and
- B. request that Member States take such steps as are necessary to prevent the acquisition of proprietary rights in the name, including prohibiting registration of the name as a trade-mark or trade-name.

General Principles for Guidance in Devising International Non-Proprietary Names for Pharmaceutical Preparations *

1. Names should be distinctive in sound and spelling. They should not be inconveniently long and should not be liable to confusion with names already in common use.
2. The name for a substance belonging to a group of pharmacologically related substances should show this relationship. The name should be free from any anatomical, physiological, pathological or therapeutic suggestion.

The above primary principles are to be implemented by utilization of the following secondary principles.

3. In devising the name of the first substance in a new pharmacological group (the parent substance), consideration should be given to the possibility of devising suitable names for related substances belonging to the new group.
4. Syllables such as "methylhydro" and "chlor" should preferably be abbreviated (to "medro" and "clo", etc.).
5. Names for substances which are used as salts should in general apply to the active base (or the active acid). Names for different salts or esters of the same active substance should differ only in respect of the name of the inactive acid (or the inactive base). Exceptions may have to be made for those cases in which pharmacological activity may reside in both parts of the salt or ester.

* As revised in November 1961 by the Sub-Committee on Non-Proprietary Names of the Expert Committee on Specifications for Pharmaceutical Preparations (unpublished report WHO/Pharm/394).

For quaternary ammonium substances, the cation and anion should be named appropriately as separate components of a quaternary substance and not in the amine-salt style.

6. The use of an isolated letter or number should be avoided; hyphenated construction is also undesirable.
7. To facilitate translation and pronunciation "f" should preferably be used instead of "ph", "t" instead of "th", and "e" instead of "ae" or "oe".
8. Provided that the names suggested are in accordance with these principles, names proposed by the person discovering or first developing and marketing a pharmaceutical preparation, or names already officially in use in any country, should receive preferential consideration.
9. Group relationship in names (see item 2) should preferably be shown by using common syllables in the following list. The syllables should, if possible, be used only for such substances.

Subsidiary group relationships should be shown by devising names which show similarities to and are analogous with a previously named substance, the parent substance.

At the end of the list are general chemical syllables. Should they come into conflict with other suggested syllables, the suffix conveying the best information should be used.

<i>Latin</i>	<i>English</i>	<i>French</i>	
	-andr-	-andr-	
or -stan-		or -stan-	
or -ster-		or -ster-	steroids, androgenic
-arolum	-arol	-arol	anticoagulants
-barbum	-barb	-barbe	barbituric acids
-cainum	-caine	-caine	local anaesthetics of the procaine type
-cillinum	-cillin	-cilline	penicillins: derivatives of carboxy-6-amino-penicillanic acid
	-cort-	-cort-	steroids, glucocorticoids and mineralocorticoids, other than prednisolone derivatives
-crinum	-crine	-crine	acridine derivatives, antimicrobial
-curinum	-curine	-curine	curare-like drugs
-cyclinum	-cycline	-cycline	antibiotics, tetracycline derivatives
-dionum	-dione	-dione	antiepileptics derived from oxazolidinedione
	-estr-	-estr-	estrogenic drugs
	-gest-	-gest-	steroids, progestative
	gly-	gly-	antidiabetics, oral
	-mer-	-mer-	mercury-containing drugs, antimicrobial or diuretic
-mycinum	-mycin	-mycine	antibiotics, produced by <i>Streptomyces</i> strains
-quinum	-quine	-quine	quinoline derivatives, used as antimalarials
-stigminum	-stigmine	-stigmine	anticholinesterases
	sulfa-	sulfa-	sulfonamides, used as antimicrobials
-toinum	-toin	-toine	antiepileptics which are hydantoin-derivatives
-verinum	-verine	-vérine	spasmylytics with a papaverine-like action
-olum	-ol	-ol	alcohols and phenols (-OH group)
-alum	-al	-al	aldehydes
-inum	-ine	-ine	alkaloids and organic bases
-onum	-one	-one	ketones and other substances containing the CO group
-onium	-onium	-onium	quaternary amines
-anum	-ane	-ane	saturated hydrocarbons
-enum	-ene	-ène	unsaturated hydrocarbons