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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, 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 Pharmaceuticals 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 15²

Proposed International Non-Proprietary Name (Latin, English)

Chemical Name or Description and Molecular Formula

aceolutamidum aceglutamide

N2-acetyl-L-glutamine

C7H12N2O4

aceprometazinum aceprometazine

10-[2-(dimethylamino)propyl]phenothiazin-2-yl methyl ketone

C19H22N2OS

acidum loglycamicum ioglycamic acid

3,3'-(diglycoloyldiimino)bis[2,4,6-triiodobenzoic acid]

C18H10leN2O7

5-ethyl-5,8-dihydro-8-oxo-1,3-dioxolo[4,5-g] quinoline-7-carboxylic

acid

acidum oxolonicum oxolinic acid

C13H11NO5

actinoquinolum actinoquinol

8-ethoxy-5-quinolinesulfonic acid

C11H11NO4S

aklomidum aklomide

2-cloro-4-nitrobenzamide

C7H5ClN2O3

alfasonum alfasone

16α, 17-dihydroxypregn-4-ene-3,20-dione

C21H30O4

alfetaminum alfetamine

a-allylphenethylamine

C11H15N

¹ See Anney, p. 12.

² Other lists of proposed international non-proprietary names can be found in *Chron. Wid Hith Org.*, 1953, 7, 299, 1954, 8, 216, 313; 1956, 10, 28; 1957, 11, 231; 1958, 12, 102; 1959, 13, 105; *WHO Chromicle*, 1959, 13, 152; 1960, 14, 168, 244; 1961, 15, 314; 1962, 16, 385; 1963, 17, 389, 1964, 18, 433.

Lists of recommended international non-proprietary names were published in Chron. Wid Hith Org., 1955, 9, 185; WHO Chronicle, 1959, 13, 106, 463; 1962, 16, 101; 1965, 19, 165, 206, 249.

Chemical Name or Description and Molecular Formula

algeldratum algeldrate hydrated aluminium hydroxide

AIH₃O₃,nH₂Q

almadrati sulfas almadr<u>ate</u> sulfate aluminium magnesium hydroxide oxide sulfate hydrate

AlaHaMg2O14S.nH2O

amantadinum amantadine 1-adamantanamine

C10H17N

amidefrini mesylas amidefrine mesylate 3'-[1-hydroxy-2-(methylamino)ethyl]methanesulfonalinide methane

sulfonate C11H20N2O6S2

amoxydramini camsylas amoxydramine camsylate

2-(diphenylmethoxy)-N,N-dimethylethylamine-N-oxide 2-oxo-10-

bornanesuifonate C₂₇H₃₇NO₅S

ampyzinum ampyzine 2-(dimethylamino)pyrazine

C₁H₂N₃

anisacrilum anisacril 2-(o-methoxyphenyl)-3,3-diphenyl acrylic acid

C22H18O3

antafenitum antafenite (\pm)5,6-dihydro-6-phenylimidazo[2,1-b]thiazole

C11H10N2S

antazonitum antazonite $N-{3-[2-hydroxy-2-(2-thienyl)ethyl]-4-thiazolin-2-ylidene}$ acetamide

C11H12N2O2S2

antelmycinum antelmycin

an antiblotic substance obtained from cultures of *Streptomyces longissimus*, or the same substance produced by any other means

antienitum antienite (\pm)-5,6-dihydro-6-(2-thienyl)imidazo[2,1-b]thiazole

C₁H₁N₂S₂

atromepinum atromepine (—)-3a-tropanyl 2-methyl-2-phenylhydracrylate

 $C_{11}H_{25}NO_{3}$

bamifyllinum bamifylline B-benzyl-7{-2-[ethyl(2-hydroxyethyl)amino]ethyl}theophylline

C20H27O3N5

benhepazonum benhepazone 1-benzyl-2(1H)-cycloheptimidazolone

C15H12N2O

benorteronum benorterone 17β -hydroxy-17-methyl-B-norandrost-4-en-3-one

C19H21O2

benzydaminum

1-benzyl-3-[3-(dimethylamino)propoxy]-1H-indazole

C₁₉H₂₃N₃O

benzydamine bezitramidum bezitramide

1-[1-(3-cyano-3,3-diphenylpropyl)-4-piperidyl]-3-propionyl-2-

benzimidazolinone

C31H32N4O2

bromamidum bromamide $3-(p-bromoanilino)-N_1N-dimethylpropionamide$

C11H15B1N2O

bufogeninum bufogenin

14,15β-epoxy-3β-hydroxy-5β-bufa-20,22-dienolide

C24H32O4

buramatum buramate 2-hydroxyethyl benzylcarbamate

C10H13NO3

Chemical Name or Description and Molecular Formula

cactinomycinum cactinomycin

an antibiotic substance obtained from cultures of Streptomyces chrysomallus, or the same substance produced by any other means

calcii trinatrii pentetas calcium trisodium pentetate calcium trisodium(carboxymethylimino)bis-(ethylene nitrilo) tetraacetic acid

C14H18CaN3Na3O10

carbamazepinum carbamazepine

5H-dibenz[b, f]azepine-5-carboxamide

C15H12N2O

carbenoxolonum carbenoxolone

3β-hydroxy-11-oxoolean-12-en-30-oic acid hydrogen succinate

Č34H50O7

carfimatum carfimate

1-phenyl-2-propynyl carbamate

C10H9NO2

cefaloridinum cefaloridine

1-{[2-carboxy-8-oxo-7-[2-(2-thienyl)-acetamido]-5-thia-1-azabicyclo

[4.2.0]oct-2-en-3-yl]methyl)pyridinium hydroxide, inner salt

C19H17N3O4S2

cetalkonii chloridum cetalkonium chloride benzylhexadecyldimethylammonlum chloride

C25H46CI N

cholini salicylas choline salicylate (2-hydroxyethyl)trimethyl ammonium salicylate

C12H19NO4

clocinizinum clocinizine

1-(p-chloro-α-phenylbenzyl)-4-cinnamylpiperazine

C25H27CIN2

clometeronum clometerone

6a-chloro-16a-methylpregn-4-ene-3,20-dione

C22H31CIO2

clopononum cloponone

 (\pm) -2,2-dichloro-N-[p-chloro- α -(chloromethyl)phenacyl] acetamide

C11H2CI4NO2

cloretatum cloretate

bis(2,2,2-trichloroethyl)carbonate

C₅H₄Cl₆O₃

clorexolonum clorexolone

6-chloro-2-cyclohexyl-3-oxo-5-isoindolinesulfonamide

C14H17CIN2O3S

clotixamidum clotixamide

4-[3-(2-chlorothioxanthen-9-ylidene)propyl]-N-methyl-1-piperazinepropionamide

C24H28CIN3OS

cloxypendylum

cloyxpendyl

4-[3-(3-chloro-10H-pyrido[3,2-b][1,4]-benzothiazin-10-yl)propyl]-

1-piperazine ethanol C20H25CIN4OS

cobamamidum cobamamide

inner salt of the Co-(5'-deoxyadenosine-5') derivative of the 3'-ester of cobinamide phosphate with 5,6-dimethyl-1-a-D-ribofuranosylbenzimi-

dazole

C72H100C0N11O17P

codoximum codoxime

dihydrocodeinone O-(carboxymethyl)oxime

C20H21N2O5

cortodoxonum cortodoxone

17,21-dihydroxypregn-4-ene-3,20-dione

C21H30Q4

Chemical Name or Description and Molecular Formula

coumamycinum coumamycin

an antibiotic substance obtained from cultures of Streptomyces rishiriensis, or the same substance produced by any other means C55H58N5NaO20

cyclexanonum cyclexanone

2-(cyclopenten-1-yl)-2-(2-morpholinoethyl) cyclopentanone C16H25NO2

cyheptropinum cyheptropine

10,11-dihydro-5H-dibenzo[a, d]cycloheptene-5-carboxylic acid tropine ester

C24H27NO2

cypenaminum cypenamine

2-phenylcyclopentylamine CirH₁₅N

deanoli aceglumas deanol aceglumate 2-(2-dimethylamino)-ethanol hydrogen N-acetylglutamate C11 H22 N2O6

debrisoquinum debrisoquine

3,4-dihydro-2(1H)-isoquinolinecarboxamidine C10H13N3

deditonii bromidum deditonium bromide decamethylenebis{dimethyl[2-(thymyloxy)ethyl]ammonium bromide} C38H66Br2N2O2

dehydroemetinum dehydroemetine

3-ethyl-9,10-dimethoxy-1,6,7,11b-tetrahydro-2-[(1,2,3,4-tetrahydro-6,7dimethoxy-1-isoquinolyl)methyl]-4H-benzo[a]quinolizine

C29H38N2O4

denatonii benzoas denatonium benzoate benzyldiethyl[(2,6-xylylcarbamoyl)methyl]ammonium benzoate C28H34O3N2

desaspidinum desaspidin

3'-[5-butyryl-2,4-dihydroxy-3,3-dimethyl-6-oxo-1,4-cyclohexadien-1-yl)

methyl]-2',6'-dihydroxy-4'-methoxybutyrophenone

C24H30Q4

desmethylmoramidum desmethylmoramide

1-(4-morpholino-2,2-diphenylbutyryl)pyrrolidine

C24H30N2O2

diarbaronum diarbarone

N-[2-(diethylamino)ethyl]-4-hydroxy-2-oxo-2H-1-benzopyran-

3-carboxamide C10H20N2O4

dimecaminum dimecamine

N,N-2,3,3-pentamethyl-2-norbornanamine C12H23N

diponii bromidum diponium bromide triethyl(3-hydroxyethyl)ammonium bromide dicyclopentylacetate

C20H30BrNO2

ditolamidum ditolamide

N,N-dipropyl-p-toluenesulfonamide C10H21NO2S

dosulepinum dosulepin

N,N-dimethyldibenz[b,e]thiepin- $\Delta_{11}(6H),\gamma$ -propylamine C19H21NS

doxepinum doxepin

 N_1N_2 , dimethyldibenz[b_1e_2] oxepin- A_{11} (b_1H_2), γ -propylamine C19H21NO

embraminum embramine

2-[(p-bromo-α-methyl-α-phenylbenzyl)oxy]-N,N-dimethyl ethylamine C18H22BrNO

Chemical Name or Description and Molecular Formula

encypratum encyprate ethyl *N*-benzylcyclopropanecarbamate C₁₃H₁₇NO₂

enoxolonum enoxolone 3β-hydroxy-11-oxoolean-12-en-30-oic acid

CaoH46O4

etamsylatum etamsylate diethylamine 2,5-dihydroxybenzenesulfonate

C10H17NO5S

etomidatum etomidate (\pm)-ethyl 1-(α -methylbenzyl)imidazole-5-carboxylate

C14H16N2O2

felipyrinum felipyrine 1-phenyl-3-piperidino-2-pyrrolidinone

C15H20N2O

fenacionum fenacion 3-chloro-N-phenethylpropionamide

C11H14CINO

fenamisalum fenamisal phenyl-4-aminosalicylate

C13H11NO3

feneritrolum feneritrol pentaerythritol tetrakis(2-phenylbutyrate)

C45H52O3

fenharmanum fenharmane 1-benzyl-2,3,4,9-tetrahydro-1*H*-pyrido[3,4-*b*]indole

C18H18N2

ferrotreninum ferrotrenine

hydrogen bis[N-ethylidenethreoninato] diaquoferrate(II)

C12H24FeN2Oa

flavoxatum flavoxate piperidin oethyl 3-methyl-2-phenyl-4-oxo-4H-1-benzopyran-8-carboxy-

late

C24H25NO4

fluocortolonum fluocortolone 6α-fluoro-11β,21-dihydroxy-16α-methylpregna-1,4-diene-3,20-dione

C22H29FO4

fluspirilenum fluspirilene 8-[4,4-bis(p-fluorophenyl)butyl]-1-phenyl-1,3,8-triazaspiro[4,5]decan-

4-one

C29 H31 F2 N3O

follotropinum (humanum) follotropin (human) purified, standardized extract of post-menopausal urine containing primarily the follicle stimulating hormone (FSH) with only a mere trace

of luterinizing hormone (LH)

fosfestrolum fosfestrol α, α' diethyl-4,4'-stilbenediol bis(di-H phosphate)

C18H22O8P2

furazolii chloridum furazolium chloride 6,7-dihydro-3-(5-nitro-2-furyl)-5*H*-imidazo[2,1-*b*]thiazolium chloride C₉H₈CiN₉O₉S

fusafunginum fusafungine an antibiotic substance obtained from cultures of a fusarium belonging to Lateritium Wr. section, or the same substance produced by any

other means

glafeninum glafenine 2,3-dihydroxypropyl N-(7-chloro-4-quinolyl) anthranilate

C19H17CIN2O4

glybuzolum głybuzole N-(5-tert-butyl-1,3,4-thiadiazol-2-yl)benzenesulfonamide

C12H15N3O2S2

Chemical Name or Description and Molecular Formula

glyhexamidum glyhexamide 1-cyclohexyl-3-(5-indanylsulfonyl)urea C₁₅H₂2N₂O₃S

glymidinum natricum glymidine sodium

N-[5-(2-methoxyethoxy)-2-pyrimidinyl] benzenesulfonamide sodium derivative

C13H14N3NaO4S

guanisoquinum guanisoquine 7-bromo-3,4-dihydro-2-(1H)-isoquinolinecarboxamidine

 $C_{10}H_{12}B_{\Gamma}N_{3}$

guanoclorum guanoclor {[2-(2,6-dichlorophenoxy)ethyl]amino}guanidine

C₈H₁₂Cl₂N₄O

guanoxanum guanoxan (1,4-benzodioxan-2-ylmethyl)guanidine

C10H13N3O2

hepzidinum hepzidine $4-(10,\!11-\mathrm{dihydro}\text{-}5H\text{-}\mathrm{dibenzo}[a,\!d]\mathrm{cyclohepten}\text{-}5\text{-}\mathrm{yloxy})\text{-}1\text{-}\mathrm{methyl}\text{-}$

piperidine C₂₁H₂₅NO

hetacillinum hetacillin 6-[(2,2-dimethyl-4-phenyl-5-oxazolidinylidene)amino]-3,3-dimethyl-7-

oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid

C19H23N3O4S

hexasonii lodidum hexasonium iodide (2-hydroxyethyl)dimethyl sulfonium iodide α -phenyl cyclohexaneacetate

C18H27|O2S

hexedinum hexedine 2,6-bis(2-ethylhexyl)hexahydro-7a-methyl-1H-imidazo[1,5-c]imidazole

C22H45N3

hexobendinum hexobendine 3,3'[ethylenebis(methylimino)]di-1-propanol 3,4,5-trimethoxy-

benzoate diester C10H44N2Oto

homofenazinum homofenazine hexahydro-4-(3-[2-(trifluoromethyl)phenothiazin-10-yl]propyl}-1H-1,4-

diazepine-1-ethanol C23H23F3N3OS

hymecromonum hymecromone

7-hydroxy-4-methylcoumarin

C16H1O3

insulini injectio neutralis neutral injection of insulin

a sterile solution of insulin buffered at pH 7

iodamidum iodamide 3-acetamido-5-acetamidomethyl-2,4,6-triiodobenzoic acid

C12H11I3N2O4

iprindolum iprindole 5-[3-(dimethylamino)propyl]-6,7,8,9,10,11-hexahydro-5H-cyclooct[b]

indole Cı::H2::N2

ketocainum ketocaine 2'-[2-(diisopropylamino)ethoxy]butyrophenone

C18H29NO2

levorinum levorin an antiblotic substance from polyene series, obtained from cultures of Actinomyces levons, or the same substance obtained by any other

means

Chemical Name or Description and Molecular Formula

lidoflazinum lidoflazine 4-[4,4-bis(p-fluorophenyl)butyl]-1-piperazineaceto-2',6'xylidide

C30H35F2N3O

macrogoli stearas 400 macrogol stearate 400 monoesters of stearic acid and polyethylene glycol 400

C34HeaO10 (nominal)

macrogoli stearas 2000 macrogol stearate 2000 monoesters of stearic acid and polyethylene glycol 2000

CsaH196O42 (nominal)

mebanazinum

a-methylbenzylhydrazine

mebanazine $C_4H_{12}N_2$

mebutizidum mebutizide 6-chloro-3,4-dihydro-3-(1,2-dimethylbutyl)-2H-1,2,4-benzothiadiazine-

7-sulfonamide-1,1-dioxide

C13H20CIN3O4S2

meclofenoxatum meclofenoxate

2-(dimethylamino)ethyl(p-chlorphenoxy)acetate

C12H16CINO3

medrogestoπum medrogestone 6,17-dimethylpregna-4,6-diene-3,20-dione

C23H32O2

mefeserpinum mefeserpine methyl reserpate ester of (p-methoxyphenoxy) acetic acid

C32H3BN2O1

megluminum meglumine N-methylglucamine

C7H17NÖ5

meladrazinum meladrazine

2,4-bis(diethylamino)-6-hydrazino-s-triazine

C11H23N7

menglytatum menglytate p-menth-3-yl ethoxyacetate

C14H26O3

meprednisonum meprednisone

17,21-dihydroxy-16β-methylpregna-1,4-diene-3,11,20-trione

C22H2**8**O5

mesterolonum mesterolone 17β-hydroxy-1α-methyl-5α-androstan-3-one

C20H32O2

metescufyllinum metescufylline 7-[2-(diethylamino)ethyl]theophylline [(7-hydroxy-4-methyl-2-oxo-2H-

1-benzopyran-6-yl)oxy]acetate

C25H31N5O4

methaniazidum methaniazide

isonicotinic acid 2-(sulfomethyl)hydrazine

C7H3N3O4S

mexenonum mexenone 2-hydroxy-4-methoxy-4'-methylbenzophenone

C15H14O3

mobecarbum mobecarb

phenacyl 4-morpholineacetate

C14H17NO4

modalinum modaline 2-methyl-3-piperidinopyrazine

CtoHt5N3

mofebutazonum mofebutazone

4-butyl-1-phenyl-3,5-pyrazolidinedione

C13H15N2O2

moxastinum moxastin 2-(1,1-diphenylethoxy)-N,N-dimethylethylamine

CiaHeaNO

Chemical Name or Description and Molecular Formula

myralactum myralact

2-(tetradecylamino)ethanol lactate

C19H41O4N

myrtecainum myrtecaine

2-[2-(6,6-dimethyl-2-norpinen-2-yl)ethoxy] triethylamine

C17H31NO

namoxyratum namoxyrate

2-(dimethylamino)ethanol 2-(4-biphenylyl)butyrate

C20H27NO3

natamycinum natamycin

an antibiotic substance obtained from cultures of Streptomyces natalensis, or the same substance produced by any other means

neutramycinum neutramycin

an antibiotic substance (neutral macrolide) obtained from cultures of Streptomyces rimosus, or the same substance produced by any other

means

пісаmetatum nicametate

2-(diethylamino)ethyl nicotinate

C12H11N2O2

niceverinum niceverine

4-[(6,7-dimethoxy-1-isoquinolyl)methyl]pyrocatechol dinicotinate

C30H23N3Os

nicodicodinum nicodicodine

dihydrocodeine 6-nicotinate

C24H26N2O4

nifenazonum nifenazone

N-antipyrinyInicotinamide

C17H16N4O2

nitrodanum nitrodan

3-methyl-5-[(p-nitrophenyl)azo]rhodanine

C10H1N4O3S2

nitroxolinum nitroxoline

5-nitro-8-quinolinol

C₂H₄O₃N₂

norboletonum norboletone

13-ethyl-17-hydroxy-18,19-dinor-17a-pregn-4-en-3-one

C21H32Q2

octamoxinum octamoxin

(1-methylheptyl)hydrazine

C₁H₂₀N₂

opipramolum opipramol

4-[3-(5H-dibenz[b, f]azepin-5-yi)propyi]-1-piperazine ethanol

C23H29N3O

osalmidum

4'-hydroxysalicylanilide

C13H11NO3

osalmid

3,3-dimethyl-6-(5-methyl-3-phenyl-2-isoxazoline-4-carboxamido)-

oxacillinum oxacillin

7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid

C19H19N3O5S

oxamarinum oxamarin

6,7-bis[2-(diethylamino)ethoxy]-4-methylcoumarin

C22H34N2O4

oxysonii lodidum oxysonium iodide

(2-hydroxyethyl)dimethylsulfoniumiodide α-phenylcyclohexane

glycolate

C16H271O3S

pararosanilini embonas pararosaniline embonate tris(p-aminophenyl)methylium hemi[4,4'-methylenebis(3-hydroxy-2-

naphthoate)] hydrate

[C19H1aN3. 1/2 C21H14O6] . H2O

Chemical Name or Description and Molecular Formula

pecocyclinum pecocycline N-{[4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacene carboxamido]

methyl) nipecotic acid

C29 H36 N3 O10

peliomycinum peliomycin an antibiotic substance obtained from cultures of Streptomyces luteoariseus, or the same substance produced by any other means

pengitoxinum pengitoxin

gitoxin pentaacetate

C51H74O19

perastinum perastin 1-[2-(diphenylmethoxy)ethyl]piperidine

C20H25NO

perhexilinum perhexiline 2-(2,2-dicyclohexylethyl)piperidine

C19HasN

pibecarbum pibecarb phenacylpivalate

C13H16O3

piperamidum piperamide 4'-{4-[3-(dimethylamino)propyl]-1-piperazinyl)acetanilide

C17H28N4O

piposulfanum piposulfan 1,4-dihydracryloylpiperazine, dimethanesulfonate

C12H22N2O1S2

piritramidum piritramide 1'-(3-cyano-3,3-diphenylpropyl)-[1,4'-bipiperidine]-4'-carboxamide

C27H34N4O

polygelinum polygeline a polymer of urea and polypeptides derived from denatured gelatin

porfiromycinum porfiromycin carbamic acid, ester with 6-amino-1,1a,2,8,8a,8b-hexahydro-8-(hydroxymethyl)-8a-methoxy-1,5-dimethylazirino[2',3': 3,4]pyrrolo[1,2-a]

indole-4,7-dione

C16H29N4O5

prazepinum prazepine 5,6-dihydro-N-[3-(dimethylamino)propyl]-11H-dibenz [b,e]azepine

C19H24N2

proadifenum proadifen 2-(diethylamino)ethyl 2,2-diphenylvalerate

C23H31NO2

propoxatum propoxate (±)-propyl 1-(a-methylbenzyl)imidazole-5-carboxylate

C17H25N3O

propranololum propranolol 1-isopropylamino-3-(1-naphthyloxy)-2-propanol

C16H21NO2

proxazolum proxazole 5-[2-(diethylamino)ethyl]-3-(a-ethylbenzyl)-1,2,4-oxadiazole

C17H25N3O

puromycinum puromycin $3'-(\alpha-amino-\rho-methoxyhydrocinnamamido)-3'-deoxy-N,N-dimethyl-$

adenosine C22H23N7O3

pytaminum pytamine 2-{α-[2-(dimethylamino)ethoxy]-2,6-diethylbenzyl}pyridine

C20H21N2O

Chemical Name or Description and Molecular Formula

quillifolinum quillifoline 2-(p-chlorophenyl)-1,3,4,6,7,11b-hexahydro-9,10 dimethoxy-2H-benzo

[a] quinolizine

C21H24CINO2

quindecaminum quindecamine

4,4'-(decamethylenediimino)diquinaldine

CsoHsaN4

quinestradolum quinestradol 3-(cyclopentyloxy)estra-1,3,5(10)-triene-16 α ,17 β -diol

C23H32O3

quingestanolum quingestanol 3-(cyclopentyloxy)-19-nor-17a-pregna-3,5-dien-20-yn-17-ol

C25H34O2

radioselenomethioninum (**Se) radioselenomethionine (**Se)

2-amino-4-(methylselenyl)butyric acid

CsH11NO2Se

relomycinum relomycin an antibiotic substance obtained from cultures of various strains of Streptomyces hygroscopicus, or the same substance obtained by any

other means

rifamidum rifamide

N,N-diethylrifamycin B amide

C43H5#N2O13

rolodinum rolodine 4-(benzylamino)-2-methyl-7H-pyrrolo[2,3-d]pyrimidine

CiaHiaNa

salverinum salverine 2-[2-(diethylamino)ethoxy]benzanilide

C19H24N2O2

sancyclinum sancycline 4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,10,12,12a-tetra-hydroxy-1, 11-dioxo-2-naphthacenecarboxamide or 6-demethyl-6-

deoxytetracycline C21H22N2O7

simaldratum simaldrate

magnesium aluminosilicate hydrate

AlaMgaOttSia nHaO

sorbimacrogoli lauras 300 sorbimacrogol laurate 300 monoesters of lauric acid and tris(polyethylene glycol 300)sorbitan

ethers

CssH:14O25 (nominal)

sorbimacrogoli palmitas 300 sorbimacrogol palmitate 300 monoesters of palmitic acid and tris(polyethylene glycol 300)sorbitan

ethers

Cs2H122O28 (nominal)

sorbimacrogoli stearas 300 sorbimacrogol stearate 300

monoesters of stearic acid and tris(polyethylene glycol 300)sorbitan

ethers

C64H126O26 (nominal)

sorbimacrogoli trioleas 300 surbimacrogol trioleate 300 triesters of oleic acid and tris(polyethylene glycol 300) sorbitan ethers

C100H114O24 (nominal)

sorbimacrogoli tristearas 300 sorbimacrogol tristearate 300 triesters of stearic acid and tris(polyethylene glycol 300)sorbitan

ethers

C100H194O21 (nominal)

sorbitani lauras sorbitan laurate monoesters of lauric acid and sorbitan

C18H34Os (nominal)

Chemical Name or Description and Molecular Formula

monoesters of oleic acid and sorbitan sorbitani oleas C24H44O6 (nominal)

sorbitan oleate

monoesters of palmitic acid and sorbitan sorbitani palmitas

C22H42Os (nominal) sorbitan palmitate

mixture of monoesters and diesters of oleic acid and sorbitan sorbitani sesquioleas

C33H60Os.5 (nominal) sorbitan sesquioleate

monoesters of stearic acid and sorbitan sorbitani stearas

C24H46O6 (nominal) sorbitan stearate

triesters of oleic acid and sorbitan sorbitani trioleas

sorbitan trioleate C₁₀H₁₀₂O₆ (nominal)

triesters of stearic acid and sorbitan sorbitani tristearas

CtoHi14Os (nominal) sorbitan tristearate

B-[4-(p-fluorophenyl)-3-pentenyl]-1-phenyl-1,3,8-triazaspiro[4,5] spirilenum

spirilene decan-4-one C24H28FN3O

sulclamidum 4-chloro-3-sulfamoylbenzamide

C7H7CIN2Q3S sulclamide

4'-[(p-nitrophenyl)sulfamoyl]acetanilide sulfanitranum

C14H13N3O5S sulfanitran

penta-(N-sulfomethyl)polymyxin В sulfomyxinum

C51H109N16O29S5 sulfomyxin

trichloro-s-triazine-2,4,6(1H,3H,5H)-trione symclosenum

C3Cl3N3O3 symclosene

2,6-bis(2-thenylidene)cyclohexanone tenylidonum

C14H14OS2 tenylidone

1,2,3,4,4a,4b,7,9,10,10a-decahydro-2-hydroxy-2,4b-dimethyl-7-oxo-1testolactonum

phenanthrene propionic acid δ-lactone testolactone

C19H24O3

tiametonii lodidum (thiodiethylene)bis[ethyldimethylammonium iodide]

tiametonium iodide C12H30l2N2S

2-amino-6-[(1-methyl-4-nitroimidazol-5-yl)thio]purine tiamiprinum

tiamiprine C₅H₆N₆O₂S

tipepidinum 3-(di-2-thienylmethylene)-1-methylpiperidine

tipepidine C15H17NS2

tofenacinum N-methyl-2-[(o-methyl-a-phenylbenzyl)oxy]ethylamine

tofenacin. C17H21NO

tramazolinum 2-(1,2,3,4-tetrahydro-1-naphthylamino)-2-imidazoline

tramazoline C13H17N3

triamcinolone hexacetonide

triamcinoloni hexacetonidum 9-fluoro-118,16a,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic

16,17 acetal with acetone, 21-(3,3-dimethylbutyrate)

CapH41FO7

Chemical Name or Description and Molecular Formula

	2-(dimethylamino)-3,5,6-trimethylpyrazine		
папругто		٠.	

trimetozinum	4-(3,4,5-trimethoxybenzoyl)morpholine

trimetozine	C14H19NO9

troclosenum kalicum	dichloro-s-triazine-2,4,6(1H,3H,5H)-trione potassium derivative

potassium troclosene	CaCl2KNaOa
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tyromedanum 2-diethylaminoethyl[3,5-diiodo-4-(3-iodo-4-methoxyphenoxy)phenyl]

tyromedan acetate

Cz1Hz4l3NO4

visnadinum 3,4,5-trihydroxy-2,2-dimethyl-6-chromanacrylic acid δ-lactone

visnadine 4-acetate 3(2-methylbutyrate)

C21H24O7

xenytropii bromidum 8-(p-phenylbenzyl)atropinium bromide

xenytropium bromide C30H32BrNO3

xylocoumarolum 4-hydroxy-3-(3,5-xylyl)coumarin

xylocoumarol C17H14O3

xyloxeminum 2-[2-(di-2,6-xylylmethoxy)ethoxy]-N,N-dimethyl ethylamine

xyloxemine C23H33NO2

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 the Chronicle of the World Health Organization ¹ 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.

^{*} Text adopted by the Executive Board of WHO in resolution EBI5.R7 (Off. Rec. Wild Hith Org., 1955, 60, 3).

¹ The title of this publication was changed to WHO Chronicle in January 1959.

- 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.
- 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 the Chronicle of the World Health Organization.
- 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 the Chronicle of the World Health Organization.
 - 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.).

^{*} Revised text proposed by the Sub-Committee on Non-Proprietary Names of the Expert Committee on Specifications for Pharmaceutical Preparations (unpublished report WHO/Pharm/421 65) and submitted to the Executive Board of the World Health Organization at its thirty-sixth session

- 5. In the naming of substances which are acids, existing names generally used in chemistry which include the word "acidum" ("acid") should be used, if the name is adequate for practical use in therapy and pharmacy. In other circumstances, the substance should be named by a single word and not by a name which includes the word "acid". Where the word "acid" is not used in the name, as is customary in the penicillin series, a salt should preferably be named without modification of the parent acid name, e.g., "oxacillin" and "oxacillin sodium".
- 6. 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.

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.

- 7. The use of an isolated letter or number should be avoided; hyphenated construction is also undesirable.
- 8. To facilitate translation and pronunciation "f" should preferably be used instead of "ph", "t" instead of "th" and "e" instead of "ae" or "oe".
- 9. 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.
- 10. Group relationship in names (see item 2) should preferably be shown by using common syllables in the following list. Where a syllable or a group of syllables is shown without any hyphens it may be used anywhere in the name. The syllable, or group of 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.

Latin	English	French	
-andr- or -stan- or -ster-	-andr- or -stan- or -ster-	-andr- or -stan- or -ster-	steroids, androgenic
-apol-	-apol-	-apol-	polysulfonic anticoagulants
-arolum	-arol	-arol	anticoagulants
-bamatum	-bamate	-bamate	tranquillizers of the propanediol and pentanediol series
barb	barb	barb	barbituric acids
bol	bol	bol	anabolic steroids
-cainum	-caine	-caïne	local anaesthetics
cef-	cef-	cef-	antibiotics with cefalosporanic acid nucleus
-cillînum	-cillin	-cilline	penicillins: derivatives of carboxy-6-amino-penicillanic acid
-cort-	-cort-	-cort-	steroids, glucocorticoids and mineralocorticoids, other than prednisolone derivatives
-crinum	-crine	-crine	acridine derivatives, antımicrobial
-curinum	-curine	-curine	curare-like drugs
-cyclinum	-cycline	-cycline	antibiotics, tetracycline derivatives
-dion⊔m	-dione	-dione	antiepileptics derived from oxazolidinedione
-estr-	-estr-	-estr-	estrogenic drugs
-gest-	-gest-	-gest-	steroids, progestative
gly	gly	gly	antidiabetics, oral
io-	ìo-	-io	iodine contrast

ompounds not used as contrast
drugs, antimicrobial or diuretic
plastic agents
e inhibitors
ed by Streptomyces strains
ves
\$
ounds of the imipramine type
s
olfia alkaloids
as antimicrobials
thiazıde derivatives
are hydantoin derivatives
ı papaverine-like action
ic bases