International Non-Proprietary Names for Pharmaceutical Preparations

In accordance with article 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 Organzation 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 16²

Proposed International Non-Proprietary Name (Latin, English)

acidum hydroxytoluinicum hydroxytoluinic acid acidum nafcaproicum

nafcaproic acid acidum sulfaloxicum

sulfaloxic acid acidum tranexamicum

tranexamic acid alloclamidum

alloclamide alverinum

alverine amfepentorexum mfepentorex amicarbalidum

amicarbalide

aminophenazoni cyclamas aminophenazone cyclamate

amiodaronum amiodarone

amprolium amprolium Chemical Name or Description and Molecular Formula

2-hydroxy-3-methylbenzoic acid

C_aH_aO₃

a₁a-diethyl-1-naphthaleneacetic acid

C16H18O2

4'[[(hydroxymethyl)carbamoyl]sulfamoyl}phtalanilic acid

C14H15N3O7S

trans-4-(aminomethyl) cyclohexanecarboxylic acid

C₄H₁₅NO₂

2-(allyloxy)-4-chloro-N-[2-(diethylamino)ethyl]benzamide

C15H23CIN2O2

N-ethyl-3,3'-diphenyldipropylamine

C20 H27N

 $N_{,\alpha}$ -dimethyl-p-pentylphenethylamine

C15H25N

3.3'-diamidinocarbanilide

C15H16N6O

4-dimethylamino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one

cyclohexylsulfamate C13H17N3O · C6H13NO3S

2-butyl-3-benzofuranyl p-[2-diethylamino)ethoxy]-m,m-diiodophenyl

ketone

C25H29l2NO3

1-[(4-amino-2-propyl-5-pyrimidinyl)methyl]-2-picolinium chloride C14H19CIN4

³ See Annex, p. 224.

^{1959, 13, 106, 463; 1962, 16, 101, 1965, 19, 165, 206, 249.}

Chemical Name or Description and Molecular Formula

anagestonum 17-hydroxy-6a-methylpregn-4-en-20-one

C22H34O2 anagestone

3-sulfanilyi-3-azabicyclo[3.2.2]nonane azabonum

C14H20N2O2S azabon

azacosterolum 17β -{[3-dimethylamino)propyl]methylamino}androst-5-en-3 β -ol

C25H44N2O azacosterol

2-[(6-chloro-3-pyridazinyl)thio]-N,N-diethylacetamide azintamidum

C10H14CIN3OS azintamide

(-)-N,α-dimethylcyclohexaneethylamine compound with 5-ethyl-5barbexaclonum

phenylbarbituric acid barbexaclone C12H12N2O3 · C13H22N

3-[(1-benzylcycloheptyl)oxy]-N,N-dimethylpropylamine bencyclanum

bencyclane C19H3tNO

2-(1-hydroxyethyl)- β -(hydroxymethyl)-3-methyl-5-benzofuranacrylic benfurodili hemisuccinas

henfurodil hemisuccinate acid y-lactone hydrogen succinate

C19H1BO7

2,2'-methylenebis(6-chlorothymol) biclotymolum

C21H24Cl2O2 biclotymol

estr-4-ene-3β,17β-diol dipropionate bolandioli dipropionas

C24H36O4 bolandiol dipropionate

 17β -hydroxyestr-4-en-3-one 1-adamantanecarboxylate bolmantalatum

C23H40O3 bolmantalate

N-butyl-4-chlorosalicylamide buclosamidum

C11H14CINO2 buclosamide

N,N-dibutyl-4-hexyloxy-1-naphthamidine bunamidinum

C25H38N2O bunamidine

ethyl 4-hydroxy-6,7-diisobutoxy-3-quinolinecarboxylate buguinolatum

C20H27NO5 buquinolate

2-(butylamino)-6'-chloro-o-acetoluidide butanilicainum

butanilicaine C13H19CIN2O

α-[1-(tert-butylamino)ethyl]-2,5-dimethoxybenzyl alcohol butaxaminum

C15H25NO3 butaxamine

α-[(sec-butylamino)methyl]-5,6,7,8-tetrahydro-2-naphthalenebutidrinum

methanol butidrine C16H25NO

10,11-dihydro-N,N,β-trimethyl-5H-dibenzo[a,d]cycloheptenebutriptylinum

butriptyline 5-propylamine

C21 H27N

14-(cyclopropylmethyl)-1,2,3,4,4a,5,6,11-octahydro-5, carbazocinum

carbazocine 11b-iminoethano-11bH-benzo[a]carbazole

1'-[3-(10,11-d)hydro-5H-d)benz[b,f]azepin-5-yl)propyl]carpipraminum

(1,4'-bipiperidine)-4'-carboxamide carpipramine

C28H38N4O

7-(2-amino-2-phenylacetamido)-3-(hydroxymethyl)-8-oxo-5-thiacefaloglycinum cefaloglycin

1-azabicyclo[4,2,0]oct-2-ene-2-carboxylic acid, acetate ester, inner salt

C18H21N1O6S

5-chloro-7-{[(3-(diethylamino)propyl)amino]methyl]-8-quinolinol clamoxyquinum

C17H24C1N3O clamoxyquine

5-chloro-7-iodo-8-quinolinal clioquinolum

C₂H₃CIINO clioquinol

Chemical Name or Description and Molecular Formula

clocartolonum clocortalone 9-chloro-6α-fluoro-11β,21-dihydroxy-16α-methylpregna-1,4-diene-3,20-dione

C22H2aCIFO3

cloforexum cloforex ethyl(p-chloro-a,a-dimethyl phenethyl) carbamate

C13H18CINO2

clomocyclinum clomocycline 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12, 12a-pentahydroxy-N-(hydroxymethyl)-6-methyl-1,11-dioxo-2-naphtha-

cenecarboxamide

cloracetadolum cloracetadol β, β, β -trichloro-a-hydroxy-p-acetophenetidide

C10H10Cl3NO3

clorofenum clorofene 4-chloro-α-phenyl-o-cresol

C13H11C10

clotiapinum clotiapine $2-chloro-11-(4-methyl-1-piperazinyl) dibenzo [\emph{b},\emph{f}\,] [1,4] thiazepine \\$

C11H11CIN3S

colestyraminum colestyramine a styrenedivinyl-benzene copolymer (about 2 per cent. divinyl-

benzene) containing quaternary ammonium groups

O-3-chloro-4-methyl-7-coumarinyl O,O-diethyl phosphorothioate CtaHtaClOsPS

coumafosum coumafos crufomatum crufomate

4-tert-butyl-2-chlorophenyl methyl N-methylphosphoramidate

C12H20CINO3P

cyacetacidum cyacetacide cyanoacetic acid hydrazide

Ç₃H₅N₃O

cyprazepamum cyprazepam 7-chloro-2-[(cyclopropylmethyl)amino]-5-phenyl-3H-1,4-benzodia-

zepine, 4-oxide Cı•Hı•CIN₂O

cyprolidolum cyprolidol diphenyl[2-(4-pyridyl)cyclopropyl]methanol

C21H19NO

cyproteronum cyproterone

 $\textbf{6-chloro-17-hydroxy-1}\alpha, \textbf{2}\alpha-methylene pregna-\textbf{4}, \textbf{6-diene-3}, \textbf{20-dione}$

C22H27CIO3

dextranum 40 dextran 40 a polyanhydroglucose of weight-average molecular weight about 40 000 produced by the action of $Leuconostoc\ mesenteroides$ on su-

crose

dextranum 45 dextran 45 a polyanhydroglucose of weight-average molecular weight about 45 000 produced by the action of Leuconostoc mesenteroides on

sucrose

dextranum 75 dextran 75 a polyanhydroglucose of weight-average molecular weight about 75 000 produced by the action of Leuconostoc mesenteroides on

sucrose

dextranum 110 dextran 110 a polyanhydroglucose of weight-average molecular weight about 110 000 produced by the action of *Leuconostoc mesenteroides* on

sucrose

dextranum 150 dextran 150 a polyanhydroglucose of weight-average molecular weight about 150 000 produced by the action of *Leuconostoc mesenteroides* on

sucrose

dextrofeminum dextrofemine

(+)-α-methy!-N-(1-methyl-2-phenoxyethyl)phenethylamine Cı∎H₂₃NO

dicloxacillinum dicloxacillin 6-[3-(2,6-dichlorophenyl)-5-methyl-4-isoxazolecarboxamido]-3,3-dimethyl-7-0x0-4-thla-1-azabicyclo[3.2.0]hepiane-2-carboxylic acid

C19H12Ćl2N3O5S

Chemical Name or Description and Molecular Formula

difebarbamatum difebarbamate

1,3bis(3-butoxy-2-hydroxypropyl)-5-ethyl-5-phenylbarbituric acid dicarbamate ester

C28H42N4Os

difluanazinum difluanazine

1-(2-anilinoethyl)-4-[4,4-bis(p-fluorophenyl)butyl]piperazine

dihydroergotaminum dihydroergotamine

dihydroergotamine C33H37N5O5

dimethyli sulfoxidum dimethyl sulfoxide

dimethyl sulfoxide C₂H₆OŚ

diminazenum

3,3'-(diazoamino)benzamidine

diminazene

CI4HI5N7

dimpylatum dimpylate

dioxation

O,O-diethyl 2-isopropyl-6-methyl-4-pyrimidinylphosphonothloate C12H21N2O2PS

dioxationum

a mixture consisting essentially of cis- and trans- S.S'-5.5'-p-dioxane-2,3-diyl (O,O-diethyl phosphorodithioate)

C12H26O6P2S4

dioxybenzonum dioxybenzone

2,2'-dihydroxy-4-methoxybenzophenone

C14H12O4

distigmini bromidum distigmine bromide

3-hydroxy-1-methylpyridinium bromide hexamethylenebis (N-

methylcarbamate) C22H32Bf2N4O4

dodeclonii bromidum dodeclonium bromide [2-(p-chlorophenoxy)ethyl]dodecyldimethylammonium bromide

C22H39BrCINO

doxycyclinum doxycycline

4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12apentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide C22H24N2O#

embutramidum embutramide

 $N-(\beta,\beta-\text{diethyl-}m-\text{methoxyphenethyl})-4-\text{hydroxybutyramide}$ C17H27NO3

epinephrinum epinephrine

(-)-α-3,4-dihydroxyphenyl-β-methylaminoethanol

C₈H₁₃NO₃

(synonym: adrenaline; in certain countries the name Adrenalin

is a trademark)

estradioli undecylas estradiol undecylate estradiol 17-undecanoate C29H44O3

estrazinolum

3-methoxy-8-aza-19-nor-17a-pregna-1,3,5-trien-20-yn-17-ol

C20H25NO2

estrazinol etvmidum

etymide

2-ethoxy-N-methyl-N-[2-(methylphenethylamino)ethyl]-2,2-diphenylacetamide

C2#H34N2O2

fenamifurilum fenamifuril

tetrahydrofurfuryl (2-carbamoylphenoxy)acetate

C14H17NO4

fenamolum fenamole

5-amino-1-phenyl-1H-tetrazole

C7H7Ns

fenimidum fenimide

3-ethyl-2-methyl-2-phenylsuccinimide

C13H15NO2

fenpentadiolum

2-(p-chlorophenyl)-4-methyl-2,4-pentanediol

C12H17ClO2

fenpentadio! flopropionum

2',4',6'-trihydroxypropiophenone

C₁H₁₀O₄

flapropione floxuridinum

2'-deoxy-5-fluorouridine

C₅H₁₁FN₂O₅

floxuridine flubanilatum flubanilate

ethyl-N-[2-(dimethylamino)ethyl]-m-(trifluoromethyl)carbanilate

C14H19F3N2O2

Chemical Name or Description and Molecular Formula

9-fluoro-11 β ,17-dihydroxypregn-4-ene-3,20-dione flugestonum

flugestone_ C21H29FO4

fluindarolum 2- $(\alpha,\alpha,\alpha$ -trifluoro-p-tolyl)indan-1,3-dione

fluindarol C16H9F3O2

flumedroxonum 17-hydroxy-6α-(trifluoromethyl)pregn-4-ene-3,20-dione

C22H29F3O3 flumedroxone

flusalanum 3,5-dibromo-a,a,a-trifluoro-m-salicylotoluidide

Cl14HaBr2F3NO2 flusalan

folescutolum 6,7-dihydroxy-4-(morpholinomethyl)coumarin

folescutol C14H15NO5

17-methyl-5 α -androstano[2,3-c]furazan-17 β -oI furazabolum

C20H30N2O2 furazabol

(+)-N-methyl-N-(α-methylphenethyl)furfurylamine furfenorexum

furfenorex CisHisNO

gestonoroni caproas 17-hydroxy-19-norpregn-4-ene-3,20-dione hexanoate

gestonorone caproate CzeH3sO4

2-(o-methoxyphenoxy)triethylamine guaiactaminum

guaiactamine C13H21NO2

1-{2-[2-(2-(o-methoxyphenoxy)ethoxy)ethoxy]ethyl\piperidine guaiapatum

gualapate CtaH29NO4

guaifyllinum 3-(o-methoxyphenoxy)-1,2-propanediol compound with theophylline

guaifylline C7HaNaO2 C10H1aOa

[2-(3,6-dihydro-4-methyl-1(2H)-pyridyl)]-ethylguanidine

guanaclinum

guanacline C+H++N+

quanoctinum (1,1,3,3-tetramethylbutyl)guanidine quanoctine C₂H₂₁N₃

(3-phenoxypropyl)guanidine guanoxyfenum

guanoxyfen C10H15N3O

halocarbanum 4,4'-dichloro-3-(trifluoromethyl)carbanilide

halocarban C14H9Cl2F3N2O

haloxonum 3-chloro-7-hydroxy-4-methylcoumarin bis(2-chloroethyl)phosphate

haloxon C14H14Cl3O6P

heptaverinum N_iN -dimethyl-y-phenyl- $\Delta_{2,\gamma}$ -norbornanepropylamine

heptaverine C18H25N hydroxycarbamidum hvdroxvurea hydroxycarbamide CH₄N₂O₂

ibuprofenum a-p-isobutylphenylpropionic acid

ibuprofen C13H18O2

imidalinum 1-(m-chlorophenyl)-3-[2-(dimethylamino)ethyl]-2-imidazolidinone

imidoline C13H13CIN3Q

imolaminum 4-[2-(diethylamino)ethyl]-5-imino-3-phenyl-42-1,2,4-oxadiazoline

imolamine C14H20N4O

insulini injectio biphasica a sterile suspension of beef insulin crystals in a neutral solution of

biphasic insulin injection pork insulin

ketaminum 2-(a-chlorophenyl)-2-(methylamino)cyclohexanone

ketamine C13H14CINO

lactulosum 4-O-β-D-galactopyranosyl-D-fructose

lactulose C12H22O11

mebezonii lodidum (methylenedi-1,4-cyclohexylene)bis[trimethylammonium jodide]

mebezonium iodide C19HanlaNa

Chemical Name or Description and Molecular Formula

medibazinum 1-(diphenylmethyl)-4-piperonylpiperazine

medibazine C25H26N2O2

medrysonum 11β -hydroxy- 6α -methylpregn-4-ene-3,20-digne

medrysone Cz2H32O3

mefrusidum 4-chloro-N¹-methyl-N¹-(tetrahydro-2-methylfurfuryl)-m-

mefruside benzenedisulfonamide

C12H19ClN2O5S2

mesoridazinum 10-[2-(1-methyl-2-piperidyl)ethyl]-2-(methylsulfinyl)phenothiazine

mesoridazine Cz1HzeNzOSz

metabromsalanum 3.5-dibromosalicylanilide

metabromsalan C13H9Br2NO2

metalliburum 1-methyl-6-(1-methylallyl)-2,5-dithiobiurea

metallibure C7H14N4S2

metazamidum 1-(p-methoxyphenyl)-5-methyl-4-imidazolin-2-one

metazamide C11H12N2O2

meticranum 6-methylthiochroman-7-sulfonamide 1,1-dioxide

meticrane C10H13NO4S2

metindizatum 2-(hexahydro-1-methyl-3-indolinyl)ethyl benzilate

metindizate C25H31NO3

metofenazatum 2-{4-[3-(2-chlorophenothiazin-10-y!)propyl]-1-piperazinyl}ethyl

metofenazate 3,4,5-trimethoxybenzoate ester

C31H36CIN3O5S

metrifonatum dimethyl(2,2,2-trichloro-1-hydroxyethyl)phosphonate

metrifonate C₄H₈O₄PCl₃

metylperonum 4'-fluoro-4-(4-methylpiperidino)butyrophenone

metylperone C18H22FNO

metyridinum 2-(2-methoxyethyl)pyridine

metyridine C₄H₁₁NO

mithramycinum an antibiotic substance obtained from cultures of *Streptomyces* mithramycin lanashiensis, or the same substance produced by any other means

nafiverinum 1,4-piperazinediethanol α-methyl-1-naphthaleneacetate ester

nafiverine C34H38N2O4

nafoxidinum $1-\{2-[p-(3,4-dihydro-6-methoxy-2-phenyl-1-naphthyl)phenoxy]ethyl\}$

nafoxidine pyrrolidine C21H31NO2

naftalofosum N-hydroxynaphthylimide diethyl phosphate

naftalofos CieHieNOeP

naftazonum 1,2-naphthaquinone 2-semicarbazone

naftazone C11H9N3O2

naftypramidum a-isopropyl-a-[2-(dimethylamino)ethyl]-1-naphthaleneacetamide

naftypramide C19H21N2O

nifuradenum 1-[(5-nitrofurfurylidene)amino]-2-imidazolidinone

nifuradene CaHaNaOa

nifurdazilum 1-(2-hydroxyethyl)-3-[(5-nitrofurfurylidene)amino]-2-imidazolidinone

nifurdazil C10H12N4Os

nifurmeronum chloromethyl 5-nitro-2-furyl ketone

nifurmerone C₆H₄CINO₄

nifurprazinum 3-amino-6-[2-(5-nitro-2-furyl)vinyl]pyridazine

nifurprazine C₁₀H₁N₄O₃

nifursemizonum 5-nitro-2-furaldehyde 2-ethylsemicarbazone

nifursemizone CaH10N4O4

Chemical Name or Description and Molecular Formula

nitrazepamum nitrazepam

1,3-dihydro-7-nitro-5-phenyl-2H-1,4-benzodiazepin-2-one C15H10N2O3

nogalamycinum nogalamycin

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

norfenefrinum norfenefrine

 β -aminomethyl- α -3-hydroxyphenylethanol

CaH11NO2

obidoximi chloridum obidoxime chloride

1.1'-(oxydimethylene)bis[4-formylpyridinium_chloride]dioxime

C14H16Cl2N4O3

octafonii chloridum octafonium chloride benzyldiethyl{2-[4-(2,2,4-trimethylpentyl)phenoxy]ethyl}ammonium

chloride C27H42CINO

oleum radio-ethiodatum (1311) radio-ethiodized oil (1311)

an iodine addition product of the ethyl ester of the fatty acid of poppyseed oil, containing 475 mg/ml (37 per cent. by weight) of iodine.

A portion of this iodine is the radioactive isotope 1311,

oxybenzonum axybenzone

2-hydroxy-4-methoxybenzophenone

C14H12O3

oxyclozanidum oxyclozanide

3,5,6,3',5'-pentachloro-2,2'-dihydroxybenzanilide

C13H6CI5NO3

oxyfedrinum oxyfedrine

L-3[(\beta-hydroxy-a-methylphenethyl)amino]-3'-methoxypropiophenone C19H23NO3

paraflutizidum paraflutizide

6-chloro-3,4-dihydro-3-(p-fluorobenzyl)-2H-1,2,4-benzothiadiazine-

7-sulfonamide 1,1-dioxide

C14H13CIFN3O4S2

pecilocinum pecilocin

an antibiotic substance obtained from cultures of Paecilomyces varioti banier, or the same substance produced by any other means

penamecillinum penamecillin

acetate ester of the hydroxymethyl ester of Penicillin G C19H22N2O1S

penimepicyclinum penimepicycline

4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12apentahydroxy-N-{[4-(2-hydroxyethyl)-1-piperazinyl]methyl}-6-methyl-1,11-dioxo-2-naphthacenecarboxamide salt with penicillin V

C45H56N6O14S

pentorexum pentorex

 α, α, β -trimethylphenethylamine

CirHirN

pifenatum pitenate

ethyl α,α -diphenyl-2-piperidinepropionate

pipobromanum

C22H27NO2

1,4-bis(3-bromopropionyl)piperazine

pipobroman prednazatum prednazate

C10H16Br2N2O2 11β ,17,21-trihydroxypregna-1,4-diene-3,20-dione,21-(hydrogen

succinate), compound with 4-[3-(2-chlorophenothiazin-10-yl)propyi]-1-piperazineethanol C25H32O4 · C21H24CIN1OS

prednisoloni steaglas prednisolone steaglate

the stearate ester of 11\$,17,21-trihydroxypregna-1,4-diene-3,20-dione

21-glycolate C41 H64 Oa

procarbazinum procarbazine

N-isopropyl- α -(2-methylhydrazino)-p-toluamide

C12H19N3O

proglumidum proglumide

D,L-4-benzamido-N,N-dipropylglutaramic acid

C18H26N2O4

prolintanum prolintane

1-(a-propylphenethyl)pyrrolidine

CusH2aN

Chemical Name or Description and Molecular Formula

propipocainum 3-piperidino-4'-propoxypropiophenone

propipocaine C17H25NO2

propiramum N-(1-methyl-2-piperidinoethyl)-N-2-pyridylpropionamide

propiram C16H25N3O

ргорурегопит 4'-fluoro-4-(4-piperidino-4-propianylpiperidino)butyrophenone

propyperone C23H33FN2O2

protionamidum 2-propylthioisonicotinamide

protionamide C₀H₁₂N₂S

pyridaronum 2-(4-pyridyl)-benzofuran

pyridarone C18H9NO

pyrimitatum O,O-diethyl O-[2-dimethylamino-6-methyl-4-pyrimidinyl]

pyrimitate phosphorothicate

C11H20N3O3PS

pyritidii bromidum 3-amino-8-[(2-amino-6-methyl-4-pyrimidinyl)amino]-6-

pyritidium bromide (p-aminophenyl)-5-methylphenanthridinium bromide-1'-metho-

bromide C28H27B12N7

pyrrolifenum α -benzyl- β -methyl- α -phenyl-1-pyrrolidinepropanol acetate

pyrrolifene C23H29NO2

quinetalatum 6-(diethylcarbamoyl)-3-cyclohexene-1-carboxylic acid compound with

quinetalate 4-[[2-(dimethylamino)ethyl]amino}-6-methoxyquinoline(2: 1)

C14H19N2O + 2C12H19NO3

racefeminum (\pm) -a-methyl-N-(1-methyl-2-phenoxyethyl)phenethylamine

racefemine C18H23NO

racemelfalanum (\pm)-3-{p-[bis(2-chloroethyl)amino]phenyl}alanine

racemelfalan C13H14Čl2N2O2

radiomerisoprolum (117Hg) 1-(hydroxymercuri-197Hg)-2-propanol

radiomerisoprol (197Hg) C₃H₄H₉O₂

sulformetoxinum N'-(5,6-dimethoxy-4-pyrimidinyl)sulfanilamide

sulformetoxine C12H14N4O4S

sulisobenzonum 5-benzoyl-4-hydroxy-2-methoxybenzenesulfonic acid

sulisobenzone C14H12O6S

terodilinum N-tert-butyl-1-methyl-3,3-diphenylpropylamine

terodiline C20H27N

testosteroni ketolauras testosterone 3-oxododecanoate

testosterone ketolaurate C31H48O4

tetramisolum (\pm)-2,3,5,6-tetrahydro-6-phenylimidazo[2,1-b]thiazole tetramisole

C11H12N2S

tiamizidum 4-chloro-N-methyl-3-(methylsulfamoyi)benzamide tiamizide

C₉H₁₁CIN₂O₃S

tioguaninum 2-aminopurine-6-thiol

tioguanine C₅H₅N₅S

tiotixenum N,N-dimethyl-9-[3-(4-methyl-1-piperazinyl)propylidene]

tiotixene thioxanthene-2-sulfonamide

C23H29N3O2S2

tioxolonum 4-hydroxy-1,3-benzoxathiol-2-one

tioxolone C7H4O3S

tolycainum methyl 2-[2-(diethylamino)acetamido]-m-toluate tolycaine

CtsH22N2O3

Chemical Name or Description and Molecular Formula

triclacetamolum 2,2,2-trichloro-4'-hydroxyacetanilide

triclacetamol CaHaClaNO2

triclocarbanum 3,4,4'-trichlorocarbanilide

triclocarban C13H9Cl3N2O

triclodazolum 3-(2,2,2-trichloro-1-hydroxyethyl)-5,5-diphenyl-4-imidazolidinone

triclodazol C17H15Cl3N2O2

trifluperidolum 4'-fluoro-4-{4-hydroxy-4-(a,a,a-trifluoro-m-tolyl)piperidino]butyro-

phenone C22 H23 F4 NO2

trioxysalenum 6-hydroxy- β ,2,7-trimethyl-5-benzofuranacrylic acid, δ -lactone

trioxysalen C14H12O3

tvlosinum an antibiotic substance obtained from cultures of Streptomyces

tylosin fradiae, or the same substance produced by any other means

urokinasum a plasminogen activator isolated from human urine

urokinase

trifluperidol

vasopressini injectio a sterile aqueous solution containing the pressor principle of the

vasopressin injection posterior lobe of the pituitary body

5-[(3,4-dimethoxyphenethyl)methylamino]-2-(3,4-dimethoxy phenyl)verapamilum

verapamil 2-isopropylvaleronitrile

C27H38N2O4

vinglycinatum deacetylvincaleukoblastine 4-ester with N,N-dimethylglycine

vinglycinate C44H63N5O9

vintiamolum N[(4-amino-2-methyl-5-pyrimidinyl)methyl]-N-(2-[(2-benzoylvinyl)]

vintiamol thio]-4-hydroxy-1-methyl-1-butenyl}formamide

C21H24N4O3S

viridofulvinum an antibiotic substance obtained from cultures of Streptomyces viridafulvin

viridogriseus, or the same substance produced by any other means

xantinoli nicotinas 7-[2-hydroxy-3-[(2-hydroxyethyl)methylamino]propyl]theophylline xantinol nicotinate

nicotinate

C14H21N5O4 · C6H5NO2

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.

^{*} Text adopted by the Executive Board of WHO in resolution EB15.R7 (Off. Rec. Wild Hith Org., 1955, 60, 3).

- 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.
- 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.

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

^{*} Text adopted by the Executive Board of WHO in resolution EB37.R9 (Off. Rec. Wid Hith Org., 1966, 148, 9)

- 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. 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	1	English	I	Trench		
	-andr-		andr-		-andr-	ì	
or	-stan-	ın- or -stan-		or-stan-		}	steroids, androgenic
or	-ster-	or -	-ster-	or	-ster-]	
	-apol-	-	-apol-		-apol-		polysulfonic anticoagulants
	-arolum		-arol		-arol		anticoagulants
	-bamatum	-	bamate		-bamate)	tranquillizers of the propanediol and pentanediol series
	barb	ŀ	oarb		barb		barbituric acids
	bol	1	bol		bol		anabolic steroids
	-cainum	-	-caine		-caîne		local anaesthetics
	cef-	(cef-	f- cef-		antibiotics with cefalosporanic acid nucleus	
	-cillinum	-	-cillin		-cilline		penicillins: derivatives of carboxy-6-amino-penicillanic acid
	-cort-	-	-cort-	-cort-	steroids, glucocorticoids and mineralocorticoids, other than prednisolone derivatives		
	-crinum	-	crine		-crine	э	acridine derivatives, antimicrobial
	-curinum	-	-curine		-curine		curare-like drugs
	-cyclinum	-	cycline		-cycline		antibiotics, tetracycline derivatives
	-dionum	-	dione		-dione		antiepileptics derived from oxazolidinedione
	-estr-	-	estr-		-estr-		estrogenic drugs
	-gest-	-	gest-		-gest-		steroids, progestative

Latin	English	French	
gly-	gly-	gly-	antidiabetics, oral
io-	io-	io-	iodine-containing contrast media
iod or -io-	iod or -io-	iod or -io-	iodine-containing compounds not used as contrast media
-mer-	-mer-	-mer-	mercury-containing drugs, antimicrobial or diuretic
mito-	mito-	mito-	nucleotoxic, antineoplastic agents
-moxinum	-moxin	-moxine -mycine	monoamine, oxidase inhibitors
-mycinum	-mycin		antibiotics, produced by Streptomyces strains
nifur-	nifur-	nifur-	5-nitrofuran derivatives
-orexum	-orex	-orex	anorexigenic agents
-praminum	-pramine	-pramine	dibenzepine, compounds of the imipramine type
-quinum	-quine	-quine	quinoline derivatives
-serpinum	-serpine	-serpine	derivatives of <i>Rauwolfia</i> alkaloids
-stigminum	-stigmine	-stigmine	anticholinesterases
sulfa-	sulfa-	sulfa-	sulfonamides, used as antimicrobials
-tizidum	-tizide	-tizide	diuretics which are thiazide derivatives
-toinum	-toin	-toïne	antlepileptics which are hydantoin derivatives
-verinum	-verine	-verine	spasmolytics with a papaverine-like action
-inum	-ine	-ine -one	alkaloids and organic bases
-onum	-one		ketones
-onium	-onium	-onium	quaternary amines

CORRIGENDA

INTERNATIONAL NON-PROPRIETARY NAMES FOR PHARMACEUTICAL PREPARATIONS

Vol. 18, No. 11, p. 434

insert

delete

amfetylinum	fenetyllinum
amfetyline	fenetylline
Vol. 18, No. 11,	p. 435
delete	insert
cepalonium	cefalonium
cepalonium	cefalonium
delete	insert
cepaloramum	cefaloramum
cepaloram	cefaloram

	Vol. 19, No. 11, p. 451
delete 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
insert	
hetacillinum hetacillin	6-(2,2-dimethyl-5-oxo-4-phenyl-I-imidazolidinyl)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid

CUMULATIVE LIST OF INTERNATIONAL NON-PROPRIETARY NAMES FOR PHARMACEUTICAL PREPARATIONS *

p. 14

delete

chlorophenothanum technicum (1) technical chlorophenothane

1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane with a proportion of 1,1,1-trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)ethane

insert

clofenotanum clofenotane 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane

p. 19

digitoxosidum (1) digitoxoside

insert digitoxinum digitoxin

^{*} World Health Organization (1962) Cumulative list of proposed international non-proprietary names for pharmaceutical preparations, Geneva.