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 from 1 October 1962.

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 12²

Proposed International Non-Proprietary Name (Latin, English)

Chemical Name or Description

acetohexamide

acidum aminocaproicum

acetohexamidum

aminocaproic acid acidum foscolicum

foscolic acid

aconiazidum aconiazide

amfectoratum

amfecloral

amfomycinum

amfomycin angiotensinamidum

angiotensinamide

aprofenum aprofene

azatepum

atropini oxydum atropine oxide

azatepa

1-(p-acetylphenylsulfonyl)-3-cyclohexylurea

6-aminohexanoic acid

2.2'-phosphinicodilactic acid

isonicotinic acid [o-(carboxymethoxy)benzylidene] hydrazide

α-methyl-N-(2,2,2-trichloroethylidene)phenethylamine

an antibiotic produced by Streptomyces canus or the same substance

produced by any other means

prolyl]-3-phenylalanine

2-diethylaminoethyl 2,2-diphenylpropionate hydrochloride

P,P-bis(1-aziridinyl)-N-ethyl-N-(1,3,4-thiadiazol-2-yl)-phosphinic amide

atropine N-oxide

² Other lists of proposed international non-proprietary names can be found in Chron. Wild Hith Orc., 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.

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

Chemical Name or Description

azathioprinum azathioprine 6-(1-methyl-4-nitroimidazol-5-ylthio)purine

bamipinum bamipine

4-(N-benzylanilino)-1-methylpiperidine

bendazolum

2-benzylbenzimidazole

bendazol

benzindopyrinum 1-b benzindopyrine

1-benzyl-3-[2-(4-pyridinyl)ethyl]indole hydrochloride

benzopyrronii bromidum benzopyrronium bromide 1,1-dimethyl-3-hydroxypyrrolidinium bromide benzilate

benzpiperylonum benzpiperylone 4-benzyl-1-(1-methyl-4-piperidinyl)-3-phenyl-3-pyrazolin-5-one

bibenzonii bromidum bibenzonium bromide [2-(1,2-diphenylethoxy)ethyltrimethyl]ammonium bromide

bromchlorenonum bromchlorenone 6-bromo-5-chloro-2-benzoxazolinone

brometenaminum brometenamine

equimolecular complex of bromoform and hexamethylenetetramine

bromindionum

2-(p-bromophenyl)-1,3-indandione

bromindione

5,7-dibromo-2-methyl-8-quinolinol benzoate ester

broxaldinum broxaldine

broxyquinolinum

5,7-dibromo-8-quinolinol

broxyquinoline bucetinum

3-hydroxy-p-butyrophenetidide

bucetin

butamoxanum butamoxane 2-(butylaminomethyl)-1,4-benzodioxane

butynaminum

N-tert-butyl-N,1,1-trimethyl-2-propynylamine

butynamine camylofinum

N-(2-diethylaminoethyl)-2-phenylglycine isopentyl ester

camylofin

an antibiotic substance obtained from cultures of Streptomyces capre-

capreomycinum capreomycin

olus, or the same substance produced by any other means

carfenazinum 1-{10-{3-{4-(2-hydroxyethyl)-1-piperazinyl}-propyl}phenothiazin-2-yl}-carfenazine 1-propanone dimaleate

cetoximum cetoxime 2-N-benzylanilinoacetamidoxime

chloracyzinum

2-chloro-10-(3-diethylaminopropionyl)phenothiazine

chloracyzine chloralodolum

2-methyl-4-(2,2,2-trichlor-1-hydroxyethoxy)-2-pentanol

chloralodol chlormadmoni acetas

6-chloro-17-hydroxypregna-4,6-diene-3,20-dione acetate

chlormadinone acetate

o emote 17 hydroxypregna 4,0 diene-5,20-dione acctate

chloroprednisoni acetas chloroprednisone acetate 6a-chloro-17,21-dihydroxypregna-1,4-diene-3,11,20-trione 21-acetate

Chemical Name or Description

chlorproethazinum chlorproethazine 2-chloro-10-(3-diethylaminopropyl)phenothiazine

chlortalidonum chlortalidone 2-chloro-5-(1-hydroxy-3-oxo-1-isoindolinyl)-benzenesulfonamide

cintramidum cintramide 3,4,5-trimethoxycinnamamide

cismadinoni acetas cismadinone acetate 6a-chloro-17-hydroxypregna-1,4-diene-3,20-dione acetate

clofedanolum clofedanol 2-chloro-α-(2-dimethylaminoethyl)benzhydrol

clofenetaminum clofenetamine 2-(p-chloro-a-methyl-a-phenylbenzyloxy)triethylamine

clometocillinum clometocillin 6-[2-(3,4-dichlorophenyl)-2-methoxyacetamido]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3,2,0]-heptane-2-carboxylic acid

OR

(3,4-dichloro-a-methoxybenzyl)penicillin

clomifenum clomifene

clopenthixolum

 $2-\lceil p-(\beta-\text{chloro}-\alpha-\text{phenylstyryl}) \text{phenoxy} \rceil \text{triethylamine}$

4-[3-(2-chlorothiaxanthen-9-ylidene)propyl]-1-piperazineethanol

clopenthixol cloxestradioli acetas cloxestradiol acetate

17β-(2,2,2-trichloro-1-hydroxyethoxy)estra-1,3,5(10)-trien-3-ol diacetate

cloxotestosteroni acetas cloxotestosterone acetate 17β -(2,2,2-trichloro-1-hydroxyethoxy)androst-4-en-3-one acetate

cyclobutyrolum cyclobutyrol a-ethyl-1-hydroxycyclohexaneacetic acid

cyclopenthiazidum cyclopenthiazide 6-chloro-3-cyclopentyl-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide-1,1-dioxide

cyclopyrronii bromidum cyclopyrronium bromide 1-ethyl-3-hydroxy-1-methylpyrrolidinium bromide α-cyclopentylphenylacetate

cyclothiazidum cyclothiazide

6-chloro-3,4-dıhydro-3-(5-norbornen-2-yl)-2*H*-1,2,4-benzothiadiazine-7-sulfonamide-1,1-dioxide

defosfamidum defosfamide deptropinum N,N-bis(2-chloroethyl)-N'-(3-hydroxypropyl)phosphorodiamidic acid 2-chloroethyl ester

deptropine

 $3-\{10,11-\text{dihydro-}5H-\text{dibenzo}[a,d] \text{ cyclohepten-}5-yloxy\}$ tropane

dextrothyroxinum natricum sodium dextrothyroxine

sodium p-3,3',5,5'-tetraiodothyronine

sod

sodium p-3-[4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl]alanine 7-chloro-1,3-dihydro-1-methyl-5-phenyl-2*H*-1,4, benzodiazepin-2-one

diazepamum diazepam

7-chloro-3-methyl-2H-1,2,4-benzothiadiazine-1,1-dioxide

diazoxidum diazoxide

4-[2-(p-chloro-a-phenylbenzyloxy)ethyl]morpholine

difencioxazinum difencioxazine

Chemical Name or Description

dimethadionum 5,5-dimethyl-2,4-oxazolidinedione

dimethadione

dioxamatum (2-methyl-2-nonyl-1,3-dioxolan-4-yl)methyl carbamate dioxamate

diprofenum 2-dipropylaminoethyl diphenylthioacetate

diprofene

disopyramidum α-(2-diisopropylaminoethyl)-α-phenyl-2-pyridine acetamide

disopyramide

droxypropinum 1-{1-[2-(2-hydroxyethoxy)ethyl]-4-phenyl-4-piperidyl}-1-propanone

droxypropine

dydrogesteronum 9β,10α-pregna-4,6-diene-3,20 dione

dydrogesterone

epiestriolum estra-1,3,5(10)-triene-3,16 β ,17 β -triol epiestriol

epipropidinum 1,1'-bis(2,3-epoxypropyl)-4,4'-bipiperidine epipropidine

etaminilum 4-dimethylamino-2-ethyl-2-phenylvaleronitrile

etaminile

etamivanum N,N-diethylvanıllamide

etamivan

etebenecidum p-diethylsulfamoylbenzoic acid

etebenecid

ethomoxanum DL-2-(butylaminomethyl)-8-ethoxy-1,4-benzodioxan

ethomoxane

ethylis cartrizoas (3,5-diacetamido-2,4,6-triiodobenzoyloxy)acetic acid ethylester

ethyl cartrizoate

ethylis dibunas ethyl 3,6-di-tert-butylnaphthalene-1-sulfonate

ethyl dibunate

etryptaminum 3-(2-aminobutyl)indole

etryptamine

etybenzatropinum 3-diphenylmethoxy-8-ethylnortropane

etybenzatropine 5-diplienymienoxy-8-eth

febarbamatum 1-(3-butoxy-2-hydroxypropyl)-5-ethyl-5-phenylbarbituric acid carba-

febarbamate mate ester

fenadiazolum o-1,3,4-oxadiazol-2-ylphenol

fenadiazole

fenbutrazatum 2-(3-methyl-2-phenylmorpholino)ethyl 2-phenylbutyrate

fenbutrazate

fencamfaminum 3-phenyl-N-ethyl-2-norbornanamine

fencamfamın

fenoxazolinum 2-(2-isopropylphenoxymethyl)-2-imidazoline

fenoxazoline

fenoxypropazinum (1-methyl-2-phenoxyethyl)hydrazine

fenoxypropazine

fenyramidolum α-(2-pyridylaminomethyl)benzyl alcohol

fenyramidol

Chemical Name or Description

fludroxycortidum fludroxycortide

6α-fluoro-16α,17-dihydroxycorticosterone, cyclic 16,17-acetal with acetone

flunisolidi acetas flunisolide acetate 6α-fluoro-11β,16α,17,21-tetrahydroxypregna-1,4-diene-3,20-dione,

cyclic 16,17-acetal with acetone, 21-acetate

fluoresonum fluoresone

ethyl p-fluorophenyl sulfone

fluroxenum floroxene

2.2.2-trifluoroethyl vinyl ether

ftivazidum ftiyazide

isonicotinic acid vanıllylidenehydrazide

ganglefenum gangleiene

3-diethylamino-1,2-dimethylpropyl p-isobutoxybenzoate

glycopyrronii bromidum. glycopyrronium bromide

1,1-dimethyl-3-hydroxypyrrolidinium bromide_a-cyclopentylmandelate

glycyclamidum głycyclamide

1-cyclohexyl-3-p-tolylsulfonylurea

glysobuzolum glysobuzole

N-(5-isobutyl-1,3,4-thiadiazol-2-yl)-p-methoxybenzenesulfonamide

haletazolum haletazole

5-chloro-2-[p-(2-diethylaminoethoxy)phenyl]benzothiazole

heptolamidum heptolamide

1-cycloheptyl-3-p-tolylsulfonylurea

hexafluronii bromidum bexafluronium bromide bexamethylenebis-[fluoren-9-yldimethylammonium]bromide

hexapradolum hexapradol

a-(1-aminohexyl)benzhydrol

hydromadinoni acetas hydromadinone acetate 6α-chloro-17-hydroxyprogesterone acetate

indopinum indopine

3-[2-(1-phenethyl-4-piperidyl)ethyl]indole

inositoli nicotinas inositol nicotinate inositol hexanicotinate

interferonum interferon

a protein formed by the interaction of animal cells with viruses capable of conferring on animal cells resistance to virus infection

iofendylatum iofendylate

ethyl 10-(p-iodophenyl)undecanoate

isopropicillinum isopropicillin

3,3-dimethyl-6-(2-methyl-2-phenoxypropionamido)-7-oxo-4-(hia-

1-azabicyclo[3,2,0]heptane-2-carboxylic acid

(1-methyl-1-phenoxyethyl)penicillin

Iaurolinii acctas laurolinium acetate 4-amino-1-dodecylquinaldinium acetate

levamfetaminum levamfetamine

(-)-a-methylphenethylamine

Chemica Name or Description

levopropicillinum levopropicillin	(—)-3,3-dimethyl-7-oxo-6-(2-phenoxybutyramido)-4-thia-1-azabicyclo- [3.2.0]heptane-2-carboxylic acid or (—)-1-phenoxypropylpenicillin
mebutamatum mebutamate	2-sec-butyl-2-methyl-1,3-propanediol dicarbamate
mecloqualonum mecloqualone	3-(o-chlorophenyl)-2-methyl-4(3H)-quinazolinone
mefeclorazinum mefeclorazine	1-o-chlorophenyl-4-(3,4-dimethoxyphenethyl) piperazine
melarsonylum kalicum melarsonyl potassium	potassium 2- $\{p-[(4,6-diamino-s-triazin-2-yl)amino]$ phenyl $\}-1,3,2-dithiar-solane-4,5-dicarboxylate$
meractinomycinum meractinomycin	actinomycin D
mestranolum mestranol	17-ethynyl-3-methoxy-1,3,5(10)-estratrien-17β-ol
metacyclinum metacycline	4-dimethylamino-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12a-penta-hydroxy-6-methylene-l, 11-dioxo-2-naphthacenecarboxamide
metaglycodolum metaglycodol	2-(<i>m</i> -chlorophenyl)-3-methyl-2,3-butanediol
metamfazonum metamfazone	4-amino-6-methyl-2-phenyl-3(2H)-pyridazinone
metandienonum metandienone	17β -hydroxy-17-methylandrosta-1,4-dien-3-one
metenolonum	17β -hydroxy-1-methyI-5 α -androst-1-en-3-one

metenolone metetoinum

5-ethyl-1-methyl-5-phenylhydantoin metetoin

methyldopum

(-)-3-(3,4-dihydroxyphenyl)-2-methylalanine methyldopa

meticillinum meticillin

6-(2,6-dimethoxybenzamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo-[3.2.0]heptane-2-carboxylic acid

(2.6-dimethoxyphenyl)penicillin

metofolinum metofoline

1-(p-chlorophenethyl)-2-methyl-6,7-dimethoxy-1,2,3,4-tetrahydroisoquinoline

4-[(3-methyl-2-phenylmorpholino)methyl]antipyrine

тогаходищ morazone

moroxydinum moroxydine

4-morpholinecarboximidoylguanidine

nanofinum nanofin

2,6-lupetidine

Chemical Name or Description

natrii dibunas sodium dibunate sodium 2,6-di-tert-butyl-1-naphthalenesulfonate

natrii feredetas sodium feredetate iron chelate of the monosodium salt of (ethylenedinitrilo)tetraacetic acid

natrii tyropanoas sodium tyropanoate sodium 3-butyramido-a-ethyl-2,4,6-triiodohydrocinnamate

nicocodinum nicocodine

6-nicotinoylcodeine

noracymethadolum noracymethadol

(+)-6-methylamino-4,4-diphenyl-3-heptanol acetate

nortriptylinum nortriptyline

10,11-dihydro-N-methyl-5H-dibenzo[a,d]cycloheptane-4

5. y-propylamine

1-hydroxymethyl-3-methyl-2-thiourea noxytiolinum noxytiolin

5,6-dimethoxyphthalaldehydic acid isonicotinoyl hydrazone opiniazidum

oxandrolonum oxandrolone

opiniazide

dodecahydro-3-hydroxy-6-(hydroxymethyl)-3,3a,6-trimethyl-1H-benz-[e]indene-7-acetic acid, δ-lactone

4,17β-dihydroxy-17-methylandrost-4-en-3-one oxymesteronum oxymesterone

5,6-dimethoxy-2-methyl-3-[2-(4-phenyl-1-piperazinyl)ethyl]indole oxypertinum oxypertine

paramethasonum paramethasone

6a-fluoro-11\beta,17,21-trihydroxy-16a-methylpregna-1,4-diene-3,20-dione 21-acetate

pemolinum pemoline

2-imino-5-phenyl-4-oxazolidinone

penicillaminum penicillamine

p-3-mercaptovaline

pentamoxanum pentamoxane

2-isopentylaminomethyl-1,4-benzodioxane

pipacyclinum pipacycline

4-dimethylamino-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-N-[|4-(2-hydroxyethyl)-1-piperazinyl]methyl]-6-methyl-1,11dioxo-2-naphthacenecarboxamide

pipazetatum pipazetate

2-(2-piperidinoethoxy)ethyl 10H-pyrido[3,2-b][1,4]benzothiazine-10-carboxylate

polynoxylinum polynoxylin

poly{methi[bis(hydroxymethyl)]ureylene]amer

polythiazidum polythiazide

6-chloro-3,4-dihydro-2-methyl-3-(2,2,2-trifluoroethyl-thiomethyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide-1,1-dioxide

prenylaminum prenylamine

N-(3,3-diphenylpropyl)- α -methylphenethylamine

pridinolum pridinol

a,a-diphenyl-1-piperidinepropanol

pristinamycinum pristinamycine

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

Chemical Name or Description

prodilidinum prodilidine propatylnitratum

1,2-dimethyl-3-phenyl-3-pyrrolidyl propionate

propatylnitrate propinetidinum 2-ethyl-2-(hydroxymethyl)-1,3-propanediol trinitrate

propinetidine

1-phenethyl-4-(2-propynyl)-4-piperidinol propionate

propyromazinum propyromazine

1-methyl-1-(1-phenothiazin-10-ylcarbonylethyl)pyrrolidinium

psilocybinum psilocybine pyritinolum

3-(2-dimethylaminoethyl)indol-4-yl dihydrogen phosphate

pyritinol rofluranum roflurane

3,3'-(dithiodimethylene)bis[5-hydroxy-6-methyl-4-pyridinemethanol]

rufocromomycinum rufocromomycine secbutabarbitalum

2-bromo-1,1,2-trifluoroethyl methyl ether

secbutabarbital solvpertinum

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

5-sec-butyl-5-ethylbarbituric acid

solypertine spirazinum spirazine

7-{2-[4-(o-methoxyphenyl)-1-piperazinyl]ethyl}-5H-1,3-dioxolo[4,5-f] indole

sulfacarbamidum

 $2,4-{\rm diamino-5}(\textit{p-}{\rm chlorophenyI})-9-{\rm methyI-1},3,5-{\rm triazaspiro[5,5]undeca-1})$ 1,3-diene

sulfacarbamide

sulfanilylurea

sulfalenum sulfalene

N¹-(3-methoxy-2-pyrazinyl)sulfanılamide

sulfametomidinum sulfametomidine

N1-(6-methoxy-2-methyl-4-pyrimidinyl)sulfanilamide

sulfamoxolum sulfamoxole

N1-(4,5-dimethyl-2-oxazolyl)sulfanilamide

sulfasymazinum sulfasymazine

 N^{1} -(4,6-diethyl-s-triazin-2-yl)sulfanilamıde

symetinum symetine

tefluranum

4,4'-(ethylenedioxy(bis[N-hexyl-N-methylbenzylamine]

teclothiazidum teclothiazide

6-chloro-3,4-dihydro-3-(trichloromethyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide-1,1-dioxide

2-bromo-1,1,1,2-tetrafluoroethane

teflurane thenii closylas

dimethyl(2-phenoxyethyl)2-thenylammonium closylate

thenium closylate thiohexamidum thiohexamide

1-cyclohexyl-3-[p-(methylthio)phenylsulfonyl]urea

tifencillinum tifencillin

3,3-dimethyl-7-oxo-6-[2-(phenylthio)acetamido]-4-thia-1-azabicyclo-[3.2.0]heptane-2-carboxylic acid

(phenylthiomethyl)penicillin

Chemical Name or Description

tigloidinum tiglylpseudotropine

tigloidine

tolazamidum 1-(hexahydro-1*H*-azepin-1-yl)-3-(*p*-tolylsulfonyl)urea

tolazamide

tolboxanum 5-methyl-5-propyl-2-p-tolyl-1,3,2,dioxaborinane

tolboxane

tolpentamidum 1-cyclopentyl-3-p-tolylsulfonylurea

tolpentamide

tozalinonum 2-dimethylamino-5-phenyl-2-oxazolin-4-one

tozalinone

triamterinum 2,4,7-triamino-6-phenylpteridine

triamterine

trimedoximum 1,1'-trimethylenebis[4-formylpyridinium bromide]dioxime

trimedoxime

vinblastinum also called vincaleukoblastine, is one of many alkaloids isolated from

vinblastine the plant Vinca rosea

vinylbitalum 5-(1-methylbutyl)-5-vinylbarbituric acid

vinylbital

xanthiolum 4-[3-(2-chlorothioxanthen-9-yl)propyl]-1-piperazinepropanol

xanthiol

xantocillinum an antibiotic substance obtained from cultures of Penicillium notatum

xantocillin or the same substance produced by any other means

xenysalatum 2-diethylaminoethyl 3-phenylsalicylate

xenysalate

zylofuraminum D-threo-a-benzyl-N-ethyltetrahydrofurfurylamine

zylofuramine

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 in resolution EB15 R7 (Off. Rec. Wild Hith Org., 1955, 60, 3).

- 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.
- 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:
 - (1) 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.

^{*} 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).

- 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.

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 u ing 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.

Symbolog, the bount 2011-17-18-1				
Latin	English	French		
	-andr-)	-andr-	at and the second of	
	or -stan-	or -stan- }	steroids, androgenic	
	or -ster-	or -ster-	_	
-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 Streptomyces strains	
-auinum	-quine	-quine	quinoline derivatives, used as antimalarials	
-stigminum	-stigmine	-stigmine	anticholinesterases	
0	sulfa-	sulfa-	sulfonamides, used as antimicrobials	
-toinum	-toin	-toïne	antiepileptics which are hydantoin-derivatives	
-verinum	-verine	-vérine	spasmolytics 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	

CORRIGENDUM

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International Non-Proprietary Names for Pharmaceutical Preparations

p. 385

delete

amfomycinum

amfomycin

insert

amfomycinum

amfomycin

an antibiotic produced by Streptomyces canus

an antibiotic produced by Streptomyces canus, or the same substance produced by any other means

delete

atropinum oxydum

atropine oxide

incont

atropini oxydum

atropine oxide

atropine N-oxide

atropine N-oxide

p. 386

delete

azetepum

azetepa

insert azatepum

azatepa

P,P- bis (1-az) dirinyl) - N-ethyl-N-(1,3,4-th) adiazol-2-yl)-phosphinic amide

P,P-bis(1-aziridinyl)-N-ethyl-N-(1,3,4-thiadiazol-2-yl)-phosphinic amide

delete

benzindopyrınum

benzindopyrine

insert

benzindopyrinum benzindopyrine I-benzyl-3-[2-(4-pyridyl)ethyl]indole hydrochloride

1-benzyl-3-[2-(4-pyridinyl)ethyl]indole hydrochloride

delete benzpiperylonum benzpiperylone	4-benzyl-1-(1-methyl-4-piperidyl)-3-phenyl-3-pyrazolin-5-one		
insert benzpiperylonum benzpiperylone	4-benzyl-1-(1-methyl-4-piperidinyl)-3-phenyl-3-pyrazolin-5-one		
delete cetoximum cetoxime	2-N-benzylanilinoacetaxidoxime		
insert cetoximum cetoxime	2-N-benzylanilinoacetamidoxime		
	p. 387		
delete clopenthixolum clopenthixol	4-[3-(2-chlorothioxanthen-9-ylidene)propyl]-1-piperazineethanol		
insert clopenthixolum clopenthixol	4-[3-(2-chlorothiaxanthen-9-ylidene)propyl]-1-piperazineethanol		
<i>delete</i> eyclobutyrolum cyclobutyrol	sodium a-ethyl-1-hydroxycyclohexaneacetate		
insert cyclobutyrolum cyclobutyrol	α-ethyl-1-hydroxycyclohexaneacetic acid		
delete			
cyclopyrronii bromidum cyclopyrronium bromide	1-ethyl-3-hydroxy-1-methylpyrrolidinium bromide a-cyclopentylmandelate		
insert cyclopyrronii bromidum cyclopyrronium bromide	1-ethyl-3-hydroxy-1-methylpyrrolidinium bromide a-cyclopentylphenylacetate		
<i>delete</i> diazapamum diazepam	7-chloro-1,3-dihydro-1-methyl-5-phenyl-2 <i>H</i> -1,4, benzodiazepin-2-one		
insert diazepamum diazepam	7-chloro-1,3-dihydro-1-methyl-5-phenyl-2 <i>H</i> -1,4-benzodiazepin-2-one		
p. 388			
delete	-		
ethylis cartrizoas ethyl cartrizoate insert	hydroxymethyl 3,5-diacetamido-2,4,6-trnodobenzoate ethyl carbonate		
ethylis cartrizoas ethyl cartrizoate	(3,5-diacetamido-2,4,6-trnodobenzoyloxy)acetic acid ethylester		

p. 389

delete

glycyclamidum glycyclamide 1-cyclohexyl-3-p-tolysulfonylurea

insert

glycyclamidum glycyclamide

1-cyclohexyl-3-p-tolylsulfonylurea

p. 390

delete

melarsonylum kalicum melarsonyl potassium potassium 3-{p-[(4,6-diamino-s-triazin-2-yl)amino]phenyl}-1,3,2-dithiarsolane-4,5-dicarboxylate

i*nsert*

melarsonylum kalicum melarsonyl potassium potassium 2-{p-[(4,6-diamino-s-triazin-2-yl)amino]phenyl]-1,3,2-dithiarsolane-4,5-dicarboxylate

p. 391

delete

paramethasoni acetas paramethazone acetate 6 α -fluoro-11 β ,17,21-trihydroxy-16 α -methylpregna-1,4-diene-3,20-dione 21-acetate

insert

paramethasonum paramethasone

6a-fluoro-11 β ,17,21-trihydroxy-16a-methylpregna-1,4-diene-3,20-dione 21-acetate

delete

pibumecainum pibumecaine 1-methyl-4-piperidyl p-butylaminobenzoate

p. 393

delete

tigloidinum tigloidine

tiglylpseudotropine

a. .1e

triamterinum triamterine 2,4,7-triamino-6-phenylpteridine

insert

triamterenum triamterene 2,4,7-triamino-6-phenylpteridine