# International Nonproprietary Names for Pharmaceutical Substances

In accordance with paragraph 7 of the Procedure for the Selection of Recommended International Nonproprietary Names for Pharmaceutical Substances,1 notice is hereby given that the following are selected as recommended international nonproprietary names.

The inclusion of a name in the lists of recommended international nonproprietary names does not imply any recommendation for the use of the substance in medicine or pharmacy.

#### RECOMMENDED INTERNATIONAL NONPROPRIETARY NAMES (Rec. I.N.N.): LIST 112

Recommended International Nonproprietary Name (Latin, English)

Chemical Name or Description and Molecular Formula

acidum bromebricum bromebric acid acidum capobenicum capobenic acid acidum cinameticum cinametic acid

acidum iozomicum

lozomic acid

acidum mycophenolicum mycophenolic acid

acidum polygłycolicum polyglycolic acid acidum tienilicum

tienilic acid

acidum tolfenamicum tolfenamic acid adipheninum

adiphenine alibendolum alibendol

alletorphinum alletorphine

amadinonum amadinone

(E)-3-p-anisoyl-3-bromoacrylic acid

C11H9BrO4

6-(3,4,5-trimethoxybenzamido)hexanoic acid

C16H23NO6

4-(2-hydroxyethoxy)-3-methoxycinnamic acid

C12H14O5

3.3'-[tetramethylenebis[oxy(2-hydroxytrimethylene)(acetylimino)]]-

bis [2,4,6-triiodo-5-(N-methylacetamido)benzoic acid] C34H40I6N4O12

(E)-6-(4-hydroxy-6-methoxy-7-methyl-3-oxo-5-phthalanyl)-

4-methyl-4-hexenoic acid

C17H20O6

poly(oxycarbonylmethylene)

(C2H2O2)n

[2,3-dichloro-4-(2-thenoyl)phenoxy]acetic acid

C13H8Cl2O4S

N-(3-chloro-o-tolyl)anthranilic acid

C14H12CINO2

2-diethylaminoethyl diphenylacetate

C20H25NO2

5-allyI-N-(2-hydroxyethyl)-3-methoxysalicylamide

C13H17NO4

17-allyI-17-demethyl-7 $\alpha$ -((R)-1-hydroxy-1-methylbutyl)-

6,14-endo-ethenotetrahydrooripavine

C27H35NO4

6-chloro-17-hydroxy-19-norpregna-4,6-diene-3,20-dione

C20H25CIO3

<sup>&</sup>lt;sup>2</sup> Off. Rec. Wld Hlth Org., 1955, 60, 3 (Resolution EB15.R7); 1969, 173, 10 (Resolution EB43.R9).

<sup>&</sup>lt;sup>3</sup> Other lists of recommended international nonproprietary names can be found in Chron. Wid Hith Org., 1955, 9, 185; WHO Chronicle 1959, 13, 106, 463; 1962, 16, 101; 1965, 19, 165, 206, 249; 1966, 20, 421; 1967, 21, 538; 1968, 22, 463; 1969, 23, 490; 1970,

amedalin

aspartame

baclofen

bekanamycin

#### Chemical Name or Description and Molecular Formula

9-fluoro-118.16a,17,21-tetrahydroxypregna-1,4-diene-3,20-dione amcinafalum

cyclic 16,17-acetal with 3-pentanone amcinafal

C26H35FO6

9-fluoro-11 β,16 α,17,21-tetrahydroxypregna-1,4-diene-3,20-dione amcinafidum

cyclic 16,17-acetal with acetophenone amcinafide

C29H33FO6

3-methyl-3-[3-(methylamino)propyl]-1-phenyl-2-indolinone amedalinum

C19H22N2O

2-chloro-11-(1-piperazinyl)dibenz[b,f][1,4]oxazepine amoxapinum

amoxapine C17H16CIN3O

3-amino-N-(a-carboxyphenethyl)succinamic acid N-methyl ester aspartamum

C14H18N2O5

3-cinnamyl-8-propionyl-3,8-diazabicyclo [3.2.1] octan azaprocinum C18H24N2O azaprocin

β-(aminomethyl)-p-chlorohydrocinnamic acid baclofenum

C10H12CINO2

kanamycin B or L-O-3-amino-3-deoxy- $\alpha$ -D-glucopyranosyl- $(1\rightarrow 4)$ bekanamycinum

O-[2,6-diamino-2,6-dideoxy-a-D-glucopyranosyl-(1--6)]-2-deoxy-

streptamine C18H37N5O10

1-benzoyl-5-ethyl-5-phenylbarbituric acid benzobarbitalum

C19H16N2O4 henzobarbital

2,3-butanedione bis[4-(2-piperidinoethyl)thiosemicarbazone bitipazonum

C20H38N8S2 bitipazone

O-(4-bromo-2,5-dichlorophenyl) O,O-dimethyl phosphorothioate bromofosum

CBHBBrCl2O3PS bromotos

butylmalonic acid mono(1,2-diphenylhydrazide) bumadizonum

C19H22N2O3 bumadizone

3-(butylamino)-4-phenoxy-5-sulfamoylbenzoic acid bumetanidum

C17H20N2O5S bumetanide

O-2,6-diamino-2,6-dideoxy- $\alpha$ -D-glucopyranosyl- $(1 \rightarrow 4)$ -O- $[\beta$ -D-xylofuranosyl- $(1 \rightarrow 5)$ ]-N1-(4-amino-2-hydroxybutyryl)butirosinum

butirosin

2-deoxystreptamine (A form)

mixture with

O-2,6-diamino-2,6-dideoxy-a-D-glucopyranosyl- $(1\rightarrow 4)$ -

 $O = [\beta - D - ribofuranosyl - (1 \rightarrow 5)] - N^1 - (4 - amino - 2 - hydroxybutyryl) -$ 

2-deoxystreptamine (B form)

C21 H41 N5 O12

1.3-bis(2-chloroethyl)-1-nitrosourea carmustinum

carmustine C5H5Cl2N3O2

isopropylcarbamic acid ester with 4'-fluoro-4carperonum

(4-hydroxypiperidino)butyrophenone

C19H27FN2O3

[3-(chloromercuri-197Hg)-2-methoxypropyl)]urea chlormerodrinum (197Hg)

C5H11ClHgN2O2 chlormerodrin (197 Hg)

1-cinnamoyl-5-methoxy-2-methylindole-3-acetic acid cınmetacinum

C21H19NO4 cinmetacin

4-[p-chloro-N-(p-methoxyphenyl)benzamido]butyric acid clanobutinum

C18H18CINO4 clanobutin

7-chloro-1-methyl-5-phenyl-1H-1,5-benzodiazepineclobazamum

2.4(3H,5H)-dione clobazam C16H13CIN2O2

ethyl 5,6-bis-O-(p-chiorobenzyl)-3-O-propyl-D-glucofuranoside clobenosidum

C25H32Cl2O6 clobenoside

carperone

#### Chemical Name or Description and Molecular Formula

7-chloro-10-[2-(dimethylamino)ethyl]-5,10-dihydroclobenzepamum clobenzepam

11H-dibenzo[b,e][1,4]diazepin-11-one

C17H18CIN3O

clotrimazolum 1-(o-chloro-a, a-diphenylbenzyl) imidazole

clotrimazole C22H17CIN2

cloxifenolum 5-chloro-2-(2,4-dichlorophenoxy)phenol

cloxifenol C12H7Cl3O2

cyanocobalaminum (57Co) vitamin B12 containing radioactive cobalt (57Co)

cyanocobalamin (57Ĉo) C63H88C0N14O14P

cyanocobalaminum (58Co) vitamin B<sub>12</sub> containing radioactive cobalt (58Co)

cyanocobalamin (58Co) C63H88C0N14O14P

daledalinum 3-methyl-3-[3-(methylamino)propyl]-1-phenylindoline

daledalin C19H24N2

decimemidum 4-(decyloxy)-3,5-dimethoxybenzamide

decimemide C19H31NO4

delfantrinum N1,N1-dimethyl-3-[(4-methyl-1-piperazinyl)carbonyl]sulfanilamide

delfantrine C14H22N4O3S

demegestonum 17-methyl-19-norpregna-4,9-diene-3,20-dione

demegestone C21H28O2

denaverinum 2-(dimethylamino)ethyl (2-ethylbutoxy)diphenylacetate

denaverine C24H33NO3

denpidazonum 4-butyl-1,2-dihydro-5-hydroxy-1,2-diphenyl-3,6-pyridazinedione

denpidazone C20H20N2O3

deterenolum  $(\pm)$ -p-hydroxy-a-[(isopropylamino)methyl]benzyl alcohol

deterenol C11H17NO2

dibusadolum N- [4-(diethylamino)butyl]salicylamide acetate (ester)

dibusadol

dicarbinum 2,3,4,4a,5,9b-hexahydro-2,8-dimethyl-1H-pyrido[4,3-b]indole

dicarbine C13H18N2

dicolinii iodidum 2-carboxy-1,1,6-trimethylpiperidinium iodide, ester with diethyl-

dicolinium indide (2-hydroxyethyl) methylammonium iodide

C16H34I2N2O2

dicoumarolum 3,3'-methylenebis(4-hydroxycoumarin)

dicoumarol C19H12O6

dimepregnenum 3\$-hydroxy-6a,16a-dimethylpregn-4-en-20-one

dimepregnen C23H35O2

dotefonii bromidum 1-methyl-1-[2-(N-methyl-α-2-thienylmandelamido)ethyl]-

dotefonium bromide pyrrolidinium bromide

C20H27BrN2O2S

doxorubicinum an antibiotic obtained from cultures of a mutant

doxorubicin of Streptomyces peuceticus, or the same substance obtained by

any other means

(1S,3S)-3-glycoloyl-1,2,3,4,6,11-hexahydro-3,5,12-trihydroxy-10-methoxy-6,11-dioxo-1-naphthacenyl 3-amino-2,3,6-trideoxy-

α-L-/yxo-hexopyranoside

C27H28NO11

drotebanolum 3,4-dimethoxy-17-methylmorphinan-6\(\theta\),14-diol drotebanol

C19H27NO4

enfluranum 2-chloro-1,1,2-trifluoroethyl difluoromethyl ether

enflurane

enpiprazole

enpiprazolum 1-(o-chlorophenyl)-4-[2-(1-methylpyrazol-4-yl)ethyl]piperazine

C16H21CIN4

# Chemical Name or Description and Molecular Formula

(Laun, English)	
epicillinum epicillin	6-[D-2-amino-2-(1,4-cyclohexadien-1-yl)acetamido]-3,3-dime- thyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid C16H21N3O4S
eprazinonum eprazinone	3- [4-( $\beta$ -ethoxyphenethyl)-1-piperazinyl]-2-methylpropiophenone C24H32N2O2
estramustinum estramustine	estra-1,3,5(10)-triene-3,17 $\beta$ -diol 3-[bis(2-chloroethyl)carbamate] C <sub>23</sub> H <sub>31</sub> Cl <sub>2</sub> NO <sub>3</sub>
estrofuratum estrofurate	21,23-epoxy-19,24-dinor-17α-chola-1,3,5(10),7,20,22- hexaene-3,17-diol 3-acetate C24H26O4
etasulinum etasuline	6-chloro-2-(ethylamino)-4-phenyl-4 <i>H-</i> 3,1-benzothiazine C16H16ClN2S
etifelminum etifelmine	2- (diphenylmethylene) butylamine С17Н1эN
etifoxinum etifoxine	6-chloro-2-(ethylamino)-4-methyl-4-phenyl-4 <i>H-</i> 3,1-benzoxazine C17H17CIN2O
etofamidum etofamide	2,2-dichloro-N-(2-ethoxyethyl)-N-[(p-nitrophenoxy)benzyl]- acetamide C19H20Cl2N2O5
ferri ( <sup>59</sup> Fe) citratis injectio ferric ( <sup>59</sup> Fe) citrate injection	a sterile solution containing radioactive iron ( <sup>69</sup> Fe) in the ferric state, 1 per cent w/v of sodium citrate, and sufficient sodium chloride to make the solution isotonic with blood
fexicainum fexicaine	2-(p-butoxyphenoxy)-N-(o-methoxyphenyl)-N-[2-(1-pyrrolidinyl)- ethyl]acetamide C25H34N2O4
floctafeninum floctafenine	2,3-dihydroxypropył <i>N-</i> [8- (trifluoromethyl) -4-quinolyl] - anthranilate C2oH17F3N2O4
fluacizinum fluacizine	10-[3-(diethylamino)propionyl]-2-(trifluoromethyl)phenothiazine C2oH21F3N2OS
fluocinonidum fluocinonide	6 a,9-difluoro-11 β,16 a,17,21-tetrahydroxypregna-1,4-diene-3,20- dione, cyclic 16,17-acetal with acetone, 21-acetate CzeHazFzO7
flunitrazepamum flunitrazepam	5-(a-fluorophenyl)-1,3-dihydro-1-methyl-7-nitro-2 <i>H</i> -1,4- benzodiazepin-2-one C₁6H₁2FN₃O₃
flurantelum flurantel	2,6-dihydroxy-3-nitro-3',5'-bis(trifluoromethyl)benzanilide diacetate (ester) C19H12F6N2O7
flutizenolum flutizenol	4-[3-[6-(trifluoromethyl)-4 <i>H</i> -thieno[2,3- <i>b</i> ][1,4]benzothiazin- 4-yl]propyl]-1-piperazineethanol C₂oH₂4F3N₃OS2
gliclazidum gliclazide	1-(3-azabicyclo[3.3.0]oct-3-yl)-3-(p-tolylsulfonyl)urea C₁₅H₂₁N₃O₃S
glidazəmidum glidazəmide	1-(hexahydro-1 <i>H-</i> azepin-1-yl)-3-(5-indansulfonyl)urea C16H23N3O3S
-	1 /havahudaa 1 // azania, 1-vi)-3- [[a-[2-(5-methyl-3-

1-(hexahydro-1H-azepin-1-yl)-3-[[p-[2-(5-methyl-3-isoxazolecarboxamido)ethyl]phenyl]sulfonyl]urea C<sub>20</sub>H<sub>27</sub>N<sub>5</sub>O<sub>5</sub>S

3-(o-methoxyphenoxy)-1,2-propanedial  $C_{10}H_{14}O_4$ 

glisoxepidum glisoxepide

Chemical Name or Description and Molecular Formula

heliomycinum heliomycin

an antibiotic obtained from cultures of Actinomyces flavochromogenes var, heliomycini or the same substance obtained by any other

means C23H18Q6

homprenorphinum homprenorphine

22-cyclopropyl-7a-((R)-1-hydroxy-1-methylpropyl)-6,14-endo-

ethenotetrahydrothebaine

C28H37NQ4

3.3'-di-2-imidazolin-2-ylcarbanilide imidocarbum

imidocarb C19H20N6O

N-[1-(2-indol-3-ylethyl)-4-piperidyl]benzamide indoraminum

C22H25N3O indoramin

3-12-(diethylamino)ethyl]-2H-1.3-benzoxazine-2,4(3H)-dione letimidum

letimide C14H18N2O3

lidocainum 2-diethylamino-2',6'-acetoxylidide

C14H22N2O **lidocaine** 

3-(9.10-didehydro-6-methylergolin-8a-vi)-1.1-diethylurea lisuridum

lisuride C20H26N4O

Iorbamatum 2-(hydroxymethyl)-2-methylpentyl cyclopropanecarbamate

carbamate (ester) Jorhamate

C12H22N2O4

D-mannitol 1.2.5.6-tetramethanesulfonate mannosulfanum

C10H22O14S4 mannosulfan

N-methyl-9,10-ethanoanthracene-9(10H)-propylamine maprotilinum

maprotiline C20H23N

mebendazolum methyl 5-benzoyl-2-benzimidazolecarbamate

mebendazole C16H13N3O3

N-(a-methylbenzyl)linoleamide melinamidum

melinamide C26H41NO

1-(m-chlorophenyl)-4-[2-(5-methylpyrazol-3-yl)ethyl]piperazine mepiprazolum

mepiprazole C16H21CIN4

metiprenalinum a-[(isopropylamino)methyl]vanillyl alcohol

metiprenaline C12H19NO3

2',4,4'-trimethoxychalcone metochalconum

C18H18O4 metochalcone

minoxidilum 6-amino-1,2-dihydro-1-hydroxy-2-imino-4-piperidinopyrimidine

minoxidil CaH15NsO

an antineoplastic antibiotic obtained from cultures of an Aspergillus mitosperum mitosper

of the glaucus group, or the same substance obtained by any other

2-[(3,4-dimethoxyphenethyl)imino]-1-methylpyrrolidine mixidinum

mixidine

ethyl 10-(3-morpholinopropionyl)phenothiazine-2-carbamate moracizinum

C22H25N3O4S moracizine

11 β-methoxy-19-nor-17α-pregna-1,3,5(10)-trien-20-yne-3,17 diol movestrolum

C21H26Q3 moxestrol

2-methy!-2-[p-(1,2,3,4-tetrahydro-1-naphthyl)phenoxy]nafenopinum

propionic acid nafenopin C20H22O3

(+)-6-methoxy-α-methyl-2-naphthaleneacetic acid naproxenum

naproxen C14H14O3

(-)-6-methoxy-β-methyl-2-naphthaleneethanol naproxolum

C14H16O2 naproxol

# Chemical Name or Description and Molecular Formula

an antibiotic obtained from cultures of Streptomyces natalensis, or

natamycinum

natrii iodidum (125))

sodium jodide (125j)

natamycin

natrii iodohippuras (1311) sodium iodohippurate (1311) the same substance produced by any other means

radioactive sodium iodide (1251)

sodium o-iodohippurate in which a portion of the molecules contain radioactive iodine (1311)

C<sub>9</sub>H<sub>7</sub>INNaO<sub>3</sub>

nefopamum nefopam

niaprazinum niaprazine

3,4,5,6-tetrahydro-5-methyl-1-phenyl-1H-2,5-benzoxazocine

nicotinamide

C20H25FN4O

nifunginum nifungin nifuratronum

nifuratrone nivacortolum

nivacortol

nomifensinum nomifensine oxaflozanum

oxazidionum oxazidione oxazolamum

oxaflozane

oxazolam oxazoronum

OXAZOTODA padimatum padimate

pemeridum pemerid penbutololum

penbutalol pendecamainum pendecamaine

penfluridolum penfluridol

peratizolum peratizole

picolaminum picolamine

pipebuzonum pipebuzone

C17H19NO N-[3-[4-(p-fluorophenyl)-1-piperazinyl]-1- methylpropyl]-

an antifungal antibiotic obtained from cultures of Aspergillus giganteus, or the same substance obtained by any other means

N-(2-hydroxyethyl)-a-(5-nitro-2-furyl)nitrone C7H8N2O5 2'-(p-fluorophenyl)-2'H-17a-pregna-2,4-dien-20-yno[3,2-c]-

pyrazol-17-ol C28H31FN2O

8-amino-1,2,3,4-tetrahydro-2-methyl-4-phenylisoquinoline C16H18N2

4-isopropyl-2-(a, a, a-trifluoro-m-tolyl)morpholine C14H18F3NO 2-(morpholinomethyl)-2-phenyl-1,3-indanedione

C20H19NO3 10-chloro-2,3,7,11b-tetrahydro-2-methyl-11b-phenyloxazolo-

[3,2-d] [1,4]benzodiazepin-6(5H)-one C18H17CIN2O2

7-hydroxy-4-(morpholinomethyl)coumarin C14H15NO4

mixture of pentyl, isopentyl and 2-methylbutyl p-(dimethylamino)benzoates

C14H21NO2

4-[3-(dimethylamino)propoxy]-1,2,2,6,6,-pentamethylpiperidine C15H32N2O

1-(tert-butylamino)-3-(o-cyclopentylphenoxyl)-2-propanol C18H29NO2

(carboxymethyl)dimethyl(3-palmitamidopropyl)ammonium hydroxide inner salt

C23H46N2O3

 $4-(4-\text{chloro}-\alpha,\alpha,\alpha-\text{trifluoro}-m-\text{tolyl})-1-[4,4-\text{bis}(p-$ 

fluorophenyl)butyl]-4-piperidinol C2BH27CIF5NO

1-[4-(2,4-dimethyl-5-thiazolyl)butyl]-4-(4-methyl-2-thiazolyl)piperazine

C17H26N4S2

3- (aminomethyl) pyridine CeHeN<sub>2</sub>

4-butyl-4-[(4-methyl-1-piperazinyl)methyl]-1,2-diphenyl-3.5-pyrazolidinedione

C25H32N4O2

Chemical Name or Description and Molecular Formula

pipotiazinum 10-[3-[4-(2-hydroxyethyl)piperidino]propyl]-N,N-dimethylpipotiazine

phenothiazine-2-sulfonamide

C24H33N3O3S2

3-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)piroheptinum piroheptine

1-ethyl-2-methylpyrrolidine

C22H25N

pitofenonum methyl o-[p-(2-piperidinoethoxy)benzoyl]benzoate

pitofenone C22H25NO4

poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene polihexanidum polihexanide

monohydrochloride) (C8H17N5·HCI)n

2,5-dimethyl-1-pyrrolidinepropanol salicylate (ester) pranosalum

pranosal C16H23NO3

acetone bis(3,5-di-tert-butyl-4-hydroxyphenyl)mercaptole probucolum

C31H48O2S2 probucol

procinololum 1-(o-cyclopropylphenoxy)-3-(isopropylamino)-2-propanol

C15H23NO2 procinolol

3-[(dimethylamino)methyl]-1,2-diphenyl-3-buten-2-ol proxibutenum

propionate (ester) proxibutene

C22H27NO2

(+)-4-(dimethylamino)-3-methyl-1,2-diphenyl-2-butanol proxifezonum propionate (ester) compound with 4-butyl-1,2-diphenyl-3,5proxifezone

pyrazolidinedione (1:1) C22H29NO2 · C19H20N2O2

bis(1-hydroxy-2(1H)-pyridinethionato)zinc pyrithionum zincicum

C10H8N2O2S2Zn pyrithione zinc

quintiofosum O-ethyl O-(8-quinolyl) phenylphosphonothicate

quintiofos C17H16NO2PS

3'-chloro-4'-(p-chlorophenoxy)-3,5-diiodosalicylaniiide rafoxanidum

C19H11Cl2l2NO3 rafoxanide

1,3-bis[(p-chlorobenzylidene)amino]guanidine robenidinum

robenidine C16H13Cl2N6

disodium 4,5,6,7-tetrachloro-2',4',5',7'-tetraiodofluorescein in which roseum bengalense (1311) natricum

a portion of the molecules contain radioactive iodine (131)

human serum albumin iodinated with radioactive iodine (125)

rose bengal (1311) sodium C20H2Cl4I4Na2O5

seroalbuminum humanum

iodinatum (125) iodinated (125) human serum

albumin

human serum albumin iodinated with radioactive iodine (131) seroalbuminum humanum

iodinatum (1311)

iodinated (1311) human serum

albumin

sevofluranum fluoromethyl 2.2.2-trifluoro-1-(trifluoromethyl)ethyl ether

C4H3F7O sevoflurane

O-2,6-diamino-2,3,4,6-tetradeoxy-α-D-glycero-hex-4-enopyrasisomicinum sisomicin nosyl- $(1 \rightarrow 4)$ -O-[3-deoxy-4-C-methyl-3-(methylamino)- $\beta$ -L-

arabinopyranosyl-(1→6)]-2-deoxy-D-streptamine

C19H37N5O7

8-13-(2-chloro-10-phenothiazinyl)propyl]-1-thia-4,8spiclomazinum

diazaspiro [4,5] decan-3-one spiclomazine

C22H24CIN3OS2

#### Chemical Name or Description and Molecular Formula

stirimazolum p-[2-(5-nitro-1-vinyl-2-imidazolyl)vinyl]benzoic acid

C14H11N3O4 stirimazole

sulfaciorazolum N1-[1-(m-chlorophenyl)-3-methyl-5-pyrazolyl]sulfanilamide

C16H15CIN4O2S sulfaciorazole

N1-(6-chloropyrazinyl)sulfanilamide sulfaclozinum

C10H9CIN4O2S sulfactozine

sulfatrozolum N1-(4-ethoxy-1,2,5-thiadiazol-3-yl)sulfanilamide

C10H12N4O3S2 sulfatrozole

3.3-dimethyl-7-oxo-6-[2-phenyl-D-2-(sulfoamino)acetamido]suncillinum

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

C16H19N3O7S2

suxemeridum bis(1,2,2,6,6-pentamethyl-4-piperidyl) succinate

cuvemented C24H44N2O4

4-butyl-4-(hydroxymethyl)-1,2-diphenyl-3,5-pyrazolidinedione suxibuzonum

hydrogen succinate (ester) suxibuzone

C24H26N2O6

tefazolinum 2- [(5,6,7,8-tetrahydro-1-naphthyl)methyl]-2-imidazoline

C14H18N2

2.7-bis[2-(diethylamino)ethoxy]fluoren-9-one tiloronum

C25H34N2O3 tilorone

tefazoline

ethyl 2-amino-6-benzyl-4,5,6,7-tetrahydrothieno[2,3-c]pyridinetinotidinum

3-carboxvlate tinoridine C17H20N2O2S

1-(3,4-dimethoxyphenyl)-4-ethyl-6,7-dimethoxytofisolinum

3-methylisoquinoline 2-imide tofisoline

C22H26N2O4

[4-(dimethylamino)-o-tolyl]phosphinic acid toldimfosum

Č9H14NO2P toldimfos

1-[2-(5-methylpyrazol-3-yl)ethyl]-4-m-tolylpiperazine tolpiprazolum

tolpiprazole C17H24N4

1-[3-(2-pyridyloxy)propyl]-4-o-tolylpiperazine toprilidinum

toprilidine C19H25N3O

a1-28-corticotropin (human) or H-L-Ser-L-Tyr-L-Ser-L-Met-L-Glu-Ltosactidum His-L-Phe-L-Arg-L-Trp-Gly-L-Lys-L-Pro-L-Val-Gly-L-Lys-L-Lys-Ltosactide

Arg-L-Arg-L-Pro-L-Val-L-Lys-L-Val-L-Tyr-L-Pro-L-Asp-L-Ala-

GIV-L-GIU-OH C150H230N44O36S

8-methyltropinium bromide xanthene-9-carboxylate trantelinii bromidum

trantelinium bromide C23H26BtNO3

methyl 2,10-dichloro-12H-dibenzo [d,g][1,3]dioxocin-6-carboxylate treloxinatum

C16H12Cl2O4 treloxinate

17B-hydroxyestra-4,9,11-trien-3-one trenbolonum

C18H22O2 trenholone

2-carboxy-1,1-dimethylpyrrolidinium iodide, ester with trepirii iodidum

(2-hydroxyethyl)trimethylammonium iodide trepirium iodide

C12H26l2N2O2

tretinoinum all trans-retinoic acid

tretinoin C20H28O2

3a-hydroxyspiro[1aH,5aH-nortropane-8,1'-pyrrolidinium] trospii chloridum trospjum chloride

chloride benzilate

C25H30CINO3

Chemical Name or Description and Molecular Formula

viminolum 1-(o-chlorobenzyl)-a-[(di-sec-butylamino)methyl]pyrroleviminal 2-methanol

C21 H31 CIN2O

viquidilum 1-(6-methoxy-4-quinolyl)-3-(3-vinyl-4-piperidyl)-1-propanone viquidil

C20H24N2O2

visnafyllinum [2-[(9-methoxy-7-methyl-5-oxo-5H-furo[3,2-q][1]benzopyranvisnafylline

4-yl)oxy]ethyl]trimethylammonium theophylline derivative

C25H29N5O7

vistatolonum an antiviral antibiotic obtained from cultures of Penicillum vistatolon

stoloniferum, or the same substance produced by any other means

xenonum (133Xe) radioactive xenon (133Xe)

xenon (133Xe) Xe

#### AMENDMENTS TO PREVIOUS LISTS

Vol. 13, No. 12

#### RECOMMENDED INTERNATIONAL NONPROPRIETARY NAMES (Rec. I.N.N.): LIST 3

p. 470 delete insert

> natrii radiochromas (61Cr) natrii chromas (61Cr) sodium radiochromate (61Cr) sodium chromate (51Cr) natrii radiophosphas (32P) natrii phosphas (32P) sodium radiophosphate (32P) sodium phosphate (32P)

> > Vol. 16, No. 3

#### RECOMMENDED INTERNATIONAL NONPROPRIETARY NAMES (Rec. I.N.N.): LIST 4

p. 104 delete insert

> demethylchlortetracyclinum demeclocyclinum demethylchlortetracycline demeclocycline

p. 111

triacetyloleandomycinum troleandomycinum triacetyloleandomycin troleandomycin

#### Vol. 19, No. 6

#### RECOMMENDED INTERNATIONAL NONPROPRIETARY NAMES (Rec. I.N.N.): LIST 5

p. 250	delete	insert
	natrii radio-iodidum (131I)	natrii iodidum (131I)
	sodium radio-iodide (1811)	sodium iodide (131I)

p. 252 delete insert radio-aurum (188 Au) colloidale aurum (188 Au) colloidale

radio gold (188Au) colloidal gold (188Au) colloidal radiocyanocobalaminum (190Co) cyanocobalaminum (190Co) radiocyanocobalamin (190Co) cyanocobalamin (190Co) radiotolpovidonum (181I) tolpovidonum (181I) tolpovidone (181I)

#### Vol. 20, No. 11

#### RECOMMENDED INTERNATIONAL NONPROPRIETARY NAMES (Rec. I.N.N.): LIST 6

p. 431	delete	insert
	radioselenomethioninum (75Se)	selenomethioninum (75Se)
	radioselenomethionine (75Se)	selenomethionine (75Se)

#### Vol. 21, No. 12

#### RECOMMENDED INTERNATIONAL NONPROPRIETARY NAMES (Rec. I.N.N.): LIST 7

p. 547	delete	insert
	oleum radio-ethiodatum (131I) radio-ethiodized oil (131I)	oleum ethiodatum (131]) ethiodized (131]) oil
- 54O	delete	in and
p. 549	ueieie	insert

#### Vol. 22, No. 10

#### RECOMMENDED INTERNATIONAL NONPROPRIETARY NAMES (Rec. I.N.N.): LIST 8

p. 467	delete	insert
	natrii radioiotalamas (125I) sodium radioiotalamate (125I)	natrii iotalamas ( <sup>125</sup> I) sodium iotalamate ( <sup>125</sup> I)
	natrii radioiotalamas (131I) sodium radioiotalamate (131I)	natrii iotalamas ( <sup>131</sup> I) sodium iotalamate ( <sup>131</sup> I)

p. 468 delete

piridoxilatum [(5-hydroxy-4-hydroxymethyl-6-methyl-3-pyridyl)methoxy]glycolic acid

piridoxilate C<sub>10</sub>H<sub>13</sub>NO<sub>6</sub>

insert

piridoxilatum [[5-hydroxy-4-(hydroxymethyl)-6-methyl-3-pyridyl]methoxy]glycolic acid piridoxilate compound with [[4,5-bis(hydroxymethyl)-2-methyl-3-pyridyl]oxy]glycolic acid

(1:1)

 $C_{10}H_{13}NO_{4}$ .  $C_{10}H_{13}NO_{4}$ 

delete inser

radiocesii chloridum (131Cs) cesii (131Cs) chloridum radiocesium chloride (131Cs) cesium (131Cs) chloride

### Vol. 24, No. 11

## RECOMMENDED INTERNATIONAL NONPROPRIETARY NAMES (Rec. I.N.N.): LIST 10

p. 526	delete	inseri	
	acidum difenoxilicum	difenoxinum	

difenoxin

p. 528 delete insert

dexbenzetimidum dexetimidum dexbenzetimide dexetimide

p. 533 vidarabınum replace molecular formula by C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>4</sub>

vidarabine

difenoxilic acid