International Nonproprietary Names for Pharmaceutical Substances

Notice is hereby given that, in accordance with article 3 of the Procedure for the Selection of Recommended International Nonproprietary Names for Pharmaceutical Substances*, the following names 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 of the use of the substance in medicine or pharmacy.

Recommended International Nonproprietary Names (Rec. INN): List 31

Lists of proposed (1–58) and recommended (1–27) international nonproprietary names can be found in Cumulative List No. 7, 1988.

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
abanoquilum abanoquil	4-amino-2-(3,4-dihydro-6,7-dimethoxy-2(1*H*)-isoquinolyl)-6,7-dimethoxyquinoline $C_{22}H_{25}N_3O_4$
acadesinum acadesine	5-amino-1-β-D-ribofuranosylimidazole-4-carboxamide $C_9H_{14}N_4O_5$
acidum gadobenicum gadobenic acid	dihydrogen [(±)-4-carboxy-5,8,11-tris(carboxymethyl)-1-phenyl-2-oxa-5,8,11-triazatridecan-13-oato(5-)]gadolinate(2-) $C_{22}H_{28}GdN_3O_{11}$
acidum penteticum pentetic acid	*N*,*N*-bis[2-[bis(carboxymethyl)amino]ethyl]glycine $C_{14}H_{23}N_3O_{10}$
adaprololum adaprolol	2-(1-adamantyl)ethyl (±)-[*p*-[2-hydroxy-3-(isopropylamino)-propoxy]phenyl]acetate $C_{26}H_{39}NO_4$

* *Official Records of the World Health Organization,* 1955, **60**, 3 (Resolution EB15.R7); 1969, **173**, 10 (Resolution EB43.R9).

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
adosopinum adosopine	*N*-(5,6-dihydro-5-methyl-6,11-dioxo-10-morphanthridinyl)acetamide $C_{17}H_{14}N_2O_3$
adozelesinum adozelesin	(7b*R*,8a*S*)-*N*-[2-[(4,5,8,8a-tetrahydro-7-methyl-4-oxocyclopropa[*c*]pyrrolo-[3,2-*e*]indol-2(1*H*)-yl)carbonyl]indol-5-yl]-2-benzofurancarboxamide $C_{30}H_{22}N_4O_4$
afalaninum afalanine	*N*-acetyl-3-phenyl-DL-alanine or *N*-acetyl-DL-phenylalanine $C_{11}H_{13}NO_3$
aldesleukinum aldesleukin	125-L-serine-2-133-interleukin 2 (human reduced) $C_{690}H_{1115}N_{177}O_{203}S_5$
alentemolum alentemol	(+)-2-(dipropylamino)-2,3-dihydrophenalen-5-ol $C_{19}H_{25}NO$
almokalantum almokalant	(±)-*p*-[3-[ethyl[3-(propylsulfinyl)propyl]amino]-2-hydroxypropoxy]benzo-nitrile $C_{18}H_{28}N_2O_3S$
ameltolidum ameltolide	4-amino-2′,6′-benzoxylidide $C_{15}H_{16}N_2O$
angiotensinum II angiotensin II	5-L-isoleucineangiotensin II The species specificity should be indicated in brackets after the name. $C_{50}H_{71}N_{13}O_{12}$
aprikalimum aprikalim	(–)-(*R**,2*R**)-tetrahydro-*N*-methyl-2-(3-pyridyl)thio-2*H*-thiopyran-2-carboxamide 1-oxide $C_{12}H_{16}N_2OS_2$
aprosulatum natricum aprosulate sodium	*N,N*′-trimethylenebis[lactobionamide] hexadecakis(sodium sulfate) (ester) $C_{27}H_{34}N_2Na_{16}O_{70}S_{16}$
arbutaminum arbutamine	(*R*)-3,4-dihydroxy-α-[[[4-(*p*-hydroxyphenyl)butyl]amino]methyl]benzyl alcohol $C_{18}H_{23}NO_4$
asobamastum asobamast	2-ethoxyethyl [4-(3-methyl-5-isoxazolyl)-2-thiazolyl]oxamate $C_{13}H_{15}N_3O_5S$
avizafonum avizafone	2′-benzoyl-4′-chloro-2-[(*S*)-2,6-diaminohexanamido]-*N*-methylacetanilide $C_{22}H_{27}ClN_4O_3$
barnidipinum barnidipine	(+)-(3′*S*,4*S*)-1-benzyl-3-pyrrolidinyl methyl 1,4-dihydro-2,6-dimethyl-4-(*m*-nitrophenyl)-3,5-pyridinedicarboxylate $C_{27}H_{29}N_3O_6$

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
batelapinum batelapine	2-methyl-5-(4-methyl-1-piperazinyl)-11*H*-s-triazolo[1,5-*c*][1,3]benzodiazepine $C_{16}H_{20}N_6$
bemesetronum bemesetron	*endo*-8-methyl-8-azabicyclo[3 2 1]oct-3-yl 3,5-dichlorobenzoate $C_{15}H_{17}Cl_2NO_2$
berlafenonum berlafenone	(±)-1-(2-biphenylyloxy)-3-(*tert*-butylamino)-2-propanol $C_{19}H_{25}NO_2$
bertosamilum bertosamil	3′-isobutyl-7′-isopropylspiro[cyclohexane-1,9′-[3,7]diazabicyclo[3.3.1]nonane] $C_{19}H_{36}N_2$
betamipronum betamipron	*N*-benzoyl-*β*-alanine $C_{10}H_{11}NO_3$
·disomidum disomide	(±)-*α*-(*o*-chlorophenyl)-*α*-[2-(*N*-isopropylacetamido)ethyl]-1-piperidine-butyramide $C_{22}H_{34}ClN_3O_2$
bimakalimum bimakalim	2,2-dimethyl-4-(2-oxo-1(2*H*)-pyridyl)-2*H*-1-benzopyran-6-carbonitrile $C_{17}H_{14}N_2O_2$
bindaritum bindarit	2-[(1-benzyl-1*H*-indazol-3-yl)methoxy]-2-methylpropionic acid $C_{19}H_{20}N_2O_3$
brinazaronum brinazarone	*p*-[3-(*tert*-butylamino)propoxy]phenyl 2-isopropyl-3-indolizinyl ketone $C_{25}H_{32}N_2O_2$
butixocortum butixocort	11*β*,17-dihydroxy-21-mercaptopregn-4-ene-3,20-dione 17-butyrate $C_{25}H_{36}O_5S$
caldiamidum caldiamide	hydrogen [*N*,*N*-bis[2-[(carboxymethyl)[(methylcarbamoyl)methyl]-amino]ethyl]glycinato(3-)]calciate[1-) $C_{16}H_{27}CaN_5O_8$
·peritidum carperitide	L-seryl-L-leucyl-L-arginyl-L-arginyl-L-seryl-L-seryl-L-cysteinyl-L-phenylalanylglycylglycyl-L-arginyl-L-methionyl-L-aspartyl-L-arginyl-L-isoleucylglycyl-L-alanyl-L-glutaminyl-L-serylglycyl-L-leucylglycyl-L-cysteinyl-L-asparaginyl-L-seryl-L-phenylalanyl-L-arginyl-L-tyrosine cyclic(7→23)-disulfide $C_{127}H_{203}N_{45}O_{39}S_3$
cefclidinum cefclidin	(+)-1-[[(6*R*,7*R*)-7-[2-(5-amino-1,2,4-thiadiazol-3-yl)glyoxylamido]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-4-carbamoylquinuclidinium hydroxide, inner salt, 7²-(*Z*)-(*O*-methyloxime) $C_{21}H_{26}N_8O_6S_2$
cefdaloximum cefdaloxime	(+)-(6*R*,7*R*)-7-[2-(2-amino-4-thiazolyl)glyoxylamido]-3-(methoxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7²-(*Z*)-oxime $C_{14}H_{15}N_5O_6S_2$

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
cefetecolum cefetecol	(6*R*,7*R*)-7-[2-(2-amino-4-thiazolyl)glyoxylamido]-8-oxo-5-thia-1-aza-bicyclo[4 2 0]oct-2-ene-2-carboxylic acid, 7²-(*Z*)-[*O*-[(*S*)-α-carboxy-3,4-dihydroxybenzyl]oxime] $C_{20}H_{17}N_5O_9S_2$
ceronaprilum ceronapril	1-[(2*S*)-6-amino-2-hydroxyhexanoyl]-L-proline, hydrogen (4-phenylbutyl)phosphonate (ester) $C_{21}H_{33}N_2O_6P$
cetrorelixum cetrorelix	*N*-acetyl-3-(2-naphthyl)-D-alanyl-*p*-chloro-D-phenylalanyl-3-(3-pyridyl)-D-alanyl-L-seryl-L-tyrosyl-*N*⁵-carbamoyl-D-ornithyl-L-leucyl-L-arginyl-L-prolyl-D-alanin-amide $C_{70}H_{92}ClN_{17}O_{14}$
cilobradinum cilobradine	(±)-3-[[1-(3,4-dimethoxyphenethyl)-3-piperidyl]methyl]-1,3,4,5-tetrahydro-7,8-dimethoxy-2*H*-3-benzazepin-2-one $C_{28}H_{38}N_2O_5$
colfoscerili palmitas colfosceril palmitate	choline hydroxide, dihydrogen phosphate, inner salt, ester with L-1,2-dipalmitin *or* 1,2-dipalmitoyl-*sn*-glycero-3-phosphocholine $C_{40}H_{80}NO_8P$
corticorelinum corticorelin	corticotropin-releasing factor; the species specificity should be indicated in brackets after the name e g : corticorelin (human) $C_{208}H_{344}N_{60}O_{63}S_2$ corticorelin (ovine) $C_{205}H_{339}N_{59}O_{63}S$
crilvastatinum crilvastatin	5-oxo-L-proline, (±)-*cis*-3,3,5-trimethylcyclohexyl ester $C_{14}H_{23}NO_3$
crospovidonum crospovidone	1-vinyl-2-pyrrolidinone polymer, crosslinked $(C_6H_9NO)n$
dacopafantum dacopafant	(3*R*)-3-(3-pyridyl)-1*H*,3*H*-pyrrolo[1,2-*c*]thiazole-7-carboxamide $C_{12}H_{11}N_3OS$
dalfopristinum dalfopristin	(3*R*,4*R*,5*E*,10*E*,12*E*,14*S*,26*R*,26a*S*)-26-[[2-(diethylamino)ethyl]sulfonyl]-8,9,14,15,24,25,26,26a-octahydro-14-hydroxy-3-isopropyl-4,12-dimethyl-3*H*-21,18-nitrilo-1*H*,22*H*-pyrrolo[2,1*c*][1,8,4,19]dioxadiazacyclotetracosine-1,7,16,22(4*H*,7*H*)-tetrone $C_{34}H_{50}N_4O_9S$
dalteparinum natricum dalteparin sodium	Sodium salt of depolymerized heparin obtained by nitrous acid degradation of heparin from pork intestinal mucosa, the majority of the components have a 2-*O*-sulfo-α-L-idopyranosuronic acid structure at the non-reducing end and a 6-*O*-sulfo-2,5-anhydro-D-mannitol structure at the reducing end of their chain; the average relative molecular mass is about 5000, 90 per cent of which ranging between 2000 and 9000; the degree of sulfatation is 2 to 2,5 per disaccharidic unit.
dalvastatinum dalvastatin	(±)-(4*R**,6*S**)-6-[(*E*)-2-[2-(4-fluoro-*m*-tolyl)-4,4,6,6-tetramethyl-1-cyclohexen-1-yl]vinyl]tetrahydro-4-hydroxy-2*H*-pyran-2-one $C_{24}H_{31}FO_3$

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
dexormaplatinum dexormaplatin	(+)-*trans*-tetrachloro(1,2-cyclohexanediamine)platinum $C_6H_{14}Cl_4N_2Pt$
didanosinum didanosine	2′,3′-dideoxyinosine $C_{10}H_{12}N_4O_3$
diethyltoluamidum diethyltoluamide	*N,N*-diethyl-*m*-toluamide $C_{12}H_{17}NO$
dofetilidum dofetilide	β-[(*p*-methanesulfonamidophenethyl)methylamino]methanesulfono-*p*-phenetidide $C_{19}H_{27}N_3O_5S_2$
doramectinum doramectin	25-cyclohexyl-5-*O*-demethyl-25-de(1-methylpropyl)avermectin A_{1a} *or* (2a*E*,4*E*,8*E*)-(5′*S*,6*S*,6′*R*,7*S*,11*R*,13*S*,15*S*,17a*R*,20*R*,20a*R*,20b*S*)-6′-cyclohexyl-5′,6,6′,7,10,11,14,15,17a,20,20a,20b-dodecahydro-20,20b-dihydroxy-5′,6,8,19-tetramethyl-17-oxospiro[11,15-methano-2*H*,13*H*,17*H*-furo-[4,3,2-*pq*][2,6]benzodioxacyclooctadecin-13,2′-[2*H*]pyran]-7-yl 2,6-dideoxy-4-*O*-(2,6-dideoxy-3-*O*-methyl-α-L-*arabino*-hexopyranosyl)-3-*O*-methyl-α-L-*arabino*-hexopyranoside $C_{50}H_{74}O_{14}$
draflazinum draflazine	(±)-4′-amino-4-[5,5-bis(*p*-fluorophenyl)pentyl]-2-carbamoyl-2′,6′-dichloro-1-piperazineacetanilide $C_{30}H_{33}Cl_2F_2N_5O_2$
eberconazolum eberconazole	(±)-1-(2,4-dichloro-10,11-dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-yl)imidazole $C_{18}H_{14}Cl_2N_2$
ecabetum ecabet	13-isopropyl-12-sulfopodocarpa-8,11,13-trien-15-oic acid $C_{20}H_{28}O_5S$
englitazonum englitazone	(–)-5-[[(2*R*)-2-benzyl-6-chromanyl]methyl]-2 4-thiazolidinedione $C_{20}H_{19}NO_3S$
enloplatinum enloplatin	*cis*-(1,1-cyclobutanedicarboxylato)[tetrahydro-4*H*-pyran-4,4-bis(methylamine)]platinum $C_{13}H_{22}N_2O_5Pt$
eprobemidum eprobemide	*p*-chloro-*N*-(3-morpholinopropyl)benzamide $C_{14}H_{19}ClN_2O_2$

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
fadrozolum fadrozole	(±)-*p*-(5,6,7,8-tetrahydroimidazo[1,5-*a*]pyridin-5-yl)benzonitrile $C_{14}H_{13}N_3$
fantofaronum fantofarone	1-[[*p*-[3-[(3,4-dimethoxyphenethyl)methylamino]propoxy]phenyl]-sulfonyl]-2-isopropylindolizine $C_{13}H_{38}N_2O_5S$
fasudilum fasudil	hexahydro-1-(5-isoquinolylsulfonyl)-1*H*-1,4-diazepine $C_{14}H_{17}N_3O_2S$
filgrastimum filgrastim	*N*-L-methionylcolony-stimulating factor (human clone 1034) $C_{845}H_{1339}N_{223}O_{243}S_9$
flosatidilum flosatidil	isobutyl [2-(dimethylamino)ethyl][[[*o*-(methylthio)phenyl]-[*m*-(trifluoromethyl)benzyl]carbamoyl]methyl]carbamate $C_{26}H_{34}F_3N_3O_3S$
flosulidum flosulide	*N*-[6-(2,4-difluorophenoxy)-1-oxo-5-indanyl]methanesulfonamide $C_{16}H_{13}F_2NO_4S$
fluorodopum (^{18}F) fluorodopa (^{18}F)	3-(2-fluoro-^{18}*F*-4,5-dihydroxyphenyl)-L-alanine $C_9H_{10}{}^{18}FNO_4$
fomepizolum fomepizole	4-methylpyrazole $C_4H_6N_2$
gadodiamidum gadodiamide	aqua[*N*,*N*-bis[2-[(carboxymethyl)[(methylcarbamoyl)methyl]amino]ethyl]-glycinato(3-)]gadolinium hydrate $C_{16}H_{28}GdN_5O_9 \cdot \times H_2O$
gadoteridolum gadoteridol	(±)-[10-(2-hydroxypropyl)-1,4,7,10-tetraazacyclodecane-1,4,7-triacetato[(3-)]gadolinium $C_{17}H_{29}GdN_4O_7$
giracodazolum giracodazole	(α*S*)-2-amino-α-[(1*S*)-2-amino-1-chloroethyl]imidazole-4-methanol $C_6H_{11}ClN_4O$
ibutilidum ibutilide	(±)-4′-[4-(ethylheptylamino)-1-hydroxybutyl]methanesulfonanilide $C_{20}H_{36}N_2O_3S$
irinotecanum irinotecan	(+)-7-ethyl-10-hydroxycamptothecine 10-[1,4′-biperidine]-1′-carboxylate *or* (+)-(*S*)-4,11-diethyl-4,9-dihydroxy-1*H*-pyrano[3′,4′:6,7]indolizino[1,2-*b*]-quinoline-3,14(4*H*,12*H*)-dione 9-[1,4′-bipiperidine]-1′-carboxylate $C_{33}H_{38}N_4O_6$
isalsteinum isalsteine	(±)-*N*-[2-[(2-methyl-4-oxo-1,3-benzodioxan-2-yl)thio]propionyl]glycine $C_{14}H_{15}NO_6S$
lactitolum lactitol	4-*O*-β-D-galactopyranosyl-D-glucitol $C_{12}H_{24}O_{11}$

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
lanreotidum lanreotide	3-(2-naphthyl)-D-alanyl-L-cysteinyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-valyl-L-cysteinyl-L-threoninamide, cyclic (2→7)-disulfide $C_{54}H_{69}N_{11}O_{10}S_2$
ledazerolum ledazerol	2-hydroxy-3-(imidazol-4-ylmethyl)benzyl alcohol $C_{11}H_{12}N_2O_2$
lenograstimum lenograstim	133-[*O*-[*O*-(*N*-acetyl-α-neuraminosyl)-(2→3)-[*O*-β-D-galactopyranosyl-(1→3)]-2-acetamido-2-deoxy-β-D-galactopyranosyl]-L-threonine)]colony-stimulating factor (human clone 1034) mixture with 133-[*O*-[*O*-(*N*-acetyl-α-neuraminosyl)-(2→6)-*O*-[*O*-(*N*-acetyl-α-neuraminosyl)-(2→3)-β-D-galacto-pyranosyl-(1→3)]-2-acetamido-2-deoxy-β-D-galactopyranosyl]-L-threonine]-colony-stimulating factor (human clone 1034)
leuciglumerum leuciglumer	L-leucine polymer with 5-methyl hydrogen L-glutamate $(C_6H_{13}NO_2)_m \cdot (C_6H_{11}NO_4)_n$
leurubicinum leurubicin	(8*S*,10*S*)-10-[[3-[(*S*)-2-amino-4-methylvaleramido]-2,3,6-trideoxy-α-L-*lyxo*-hexopyranosyl]oxy]-8-glycoloyl-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-5,12-naphthacenedione $C_{33}H_{40}N_2O_{12}$
levofloxacinum levofloxacin	(–)-(*S*)-9-fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7*H*-pyrido[1,2,3-*de*]-1,4-benzoxazine-6-carboxylic acid $C_{18}H_{20}FN_3O_4$
levomentholum levomenthol	(–)-(1*R*,3*R*,4*S*)-menthol $C_{10}H_{20}O$
levosulpiridum levosulpiride	(–)-*N*-[[(*S*)-1-ethyl-2-pyrrolidinyl]methyl]-5-sulfamoyl-*o*-anisamide $C_{15}H_{23}N_3O_4S$
liarozolum liarozole	(±)-5-(*m*-chloro-α-imidazol-1-ylbenzyl)benzimidazole $C_{17}H_{13}ClN_4$
liranaftatum anaftate	*O*-(5,6,7,8-tetrahydro-2-naphthyl) 6-methoxy-*N*-methylthio-2-pyridinecarbamate $C_{18}H_{20}N_2O_2S$
lisadimatum lisadimate	(±)-glycerol 1-(*p*-aminobenzoate) $C_{10}H_{13}NO_4$
litoxetinum litoxetine	4-(2-naphthylmethoxy)piperidine $C_{16}H_{19}NO$
lometrexolum lometrexol	*N*-[*p*-[2-[(*R*)-2-amino-3,4,5,6,7,8-hexahydro-4-oxopyrido[2,3-*d*]pyrimidin-6-yl]ethyl]benzoyl]-L-glutamic acid $C_{21}H_{25}N_5O_6$

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
loteprednolum loteprednol	chloromethyl 11β,17-dihydroxy-3-oxoandrosta-1,4-diene-17β-carboxylate $C_{21}H_{27}ClO_5$
loxoribinum loxoribine	7-allyl-2-amino-9-β-D-ribofuranosylpurine-6,8(1*H*,9*H*)-dione $C_{13}H_{17}N_5O_6$
lufironium lufironil	*N,N'*-bis(2-methoxyethyl)-2,4-pyridinedicarboxamide $C_{13}H_{19}N_3O_4$
mabuprofenum mabuprofen	(±)-*N*-(2-hydroxyethyl)-*p*-isobutylhydratropamide $C_{15}H_{23}NO_2$
masoprocolum masoprocol	*meso*-4,4'-(2,3-dimethyltetramethylene)dipyrocatechol $C_{18}H_{22}O_4$
melarsominum melarsomine	bis(2-aminoethyl) *p*-[(4,6-diamino-*s*-triazin-2-yl)amino]dithiobenzenearsonite $C_{13}H_{21}AsN_8S_2$
midesteinum midesteine	2-thiophenecarbothioic acid, *S*-ester with (±)-2-mercapto-*N*-(tetrahydro-2-oxo-3-thienyl)propionamide $C_{12}H_{13}NO_3S_3$
minamestanum minamestane	4-aminoandrosta-1,4,6-triene-3,17-dione $C_{19}H_{23}NO_2$
mipragosidum mipragoside	*N*-(II^3-*N*-acetylneuraminosylgangliotetraosyl)ceramide, isopropyl ester $C_{76}H_{137}N_3O_{31}$
mirfentanilum mirfentanil	*N*-(1-phenethyl-4-piperidyl)-*N*-pyrazinyl-2-furamide $C_{22}H_{24}N_4O_2$
miripirii chloridum miripirium chloride	1-tetradecyl-4-picolinium chloride $C_{26}H_{36}ClN$
mivazerolum mivazerol	α-imidazol-4-yl-2,3-cresotamide $C_{11}H_{11}N_3O_2$
mizolastinum mizolastine	2-[[1-[1-(*p*-fluorobenzyl)-2-benzimidazolyl]-4-piperidyl]methylamino]-4(3*H*)-pyrimidinone $C_{24}H_{25}FN_6O$
modecainidum modecainide	(±)-2'-[2-(1-methyl-2-piperidyl)ethyl]vanillanilide $C_{22}H_{28}N_2O_3$
mofezolacum mofezolac	3,4-bis(*p*-methoxyphenyl)-5-isoxazoleacetic acid $C_{19}H_{17}NO_5$

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
molgramostimum molgramostim	colony-stimulating factor 2 (human clone pHG_{25} protein moiety reduced) $C_{639}H_{1007}N_{171}O_{196}S_8$ (for non-glycosylated protein)
mosapraminum mosapramine	(±)-1′-[3-(3-chloro-10,11-dihydro-5*H*-dibenz[*b,f*]azepin-5-yl)propyl]hexahydrospiro[imidazo[1,2-*a*]pyridine-3(2*H*),4′-piperidin]-2-one $C_{28}H_{35}ClN_4O$
nadifloxacinum nadifloxacin	(±)-9-fluoro-6,7-dihydro-8-(4-hydroxypiperidino)-5-methyl-1-oxo-1*H*,5*H*-benzo[*ij*]quinolizine-2-carboxylic acid $C_{19}H_{21}FN_2O_4$
nadroparinum calcicum nadroparin calcium	Calcium salt of depolymerized heparin obtained by nitrous acid degradation of heparin from pork intestinal mucosa; the majority of the components have a 2-*O*-sulfo-α-L-idopyranosuronic acid structure at the non-reducing end and a 6-*O*-sulfo-2,5-anhydro-D-mannitol structure at the reducing end of their chain; the average relative molecular mass is 4000 to 5000; the degree of sulfatation is about 2,1 per disaccharidic unit.
nafagrelum nafagrel	(±)-5,6,7,8-tetrahydro-6-(imidazol-1-ylmethyl)-2-naphthoic acid $C_{15}H_{16}N_2O_2$
nafarelinum nafarelin	5-oxo-L-prolyl-L-histidyl-L-tryptophyl-L-seryl-L-tyrosyl-3-(2-naphthyl)-D-alanyl-L-leucyl-L-arginyl-L-prolylglycinamide $C_{66}H_{83}N_{17}O_{13}$
naroparcilum naroparcil	*p*-[*p*-[(5-thio-β-D-xylopyranosyl)thio]benzoyl]benzonitrile $C_{19}H_{17}NO_4S_2$
nemazolinum nemazoline	2-(4-amino-3,5-dichlorobenzyl)-2-imidazoline $C_{10}H_{11}Cl_2N_3$
nemonapridum nemonapride	(±)-*cis*-*N*-(1-benzyl-2-methyl-3-pyrrolidinyl)-5-chloro-4-(methylamino)-*o*-anisamide $C_{21}H_{26}ClN_3O_2$
nestifyllinum nestifylline	7-(1,3-dithiolan-2-ylmethyl)theophylline $C_{11}H_{14}N_4O_2S_2$
neticonazolum neticonazole	(*E*)-1-[2-(methylthio)-1-[*o*-(pentyloxy)phenyl]vinyl]imidazole $C_{17}H_{22}N_2OS$
nicoracetamum nicoracetam	1-(6-methoxynicotinoyl)-2-pyrrolidinone $C_{11}H_{12}N_2O_3$
ocaperidonum ocaperidone	3-[2-[4-(6-fluoro-1,2-benzisoxazol-3-yl)piperidino]ethyl]-2,9-dimethyl-4*H*-pyrido[1,2-*a*]pyrimidin-4-one $C_{24}H_{25}FN_4O_2$

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
ormaplatinum ormaplatin	(±)-*trans*-tetrachloro(1,2-cyclohexanediamine)platinum $C_6H_{14}Cl_4N_2Pt$
otenzepadum otenzepad	(±)-11-[[2-[(diethylamino)methyl]piperidino]acetyl]-5,11-dihydro-6*H*-pyrido[2,3-*b*][1,4]benzodiazepin-6-one $C_{24}H_{31}N_5O_2$
oxiglutationum oxiglutatione	*N*,*N*′-[dithiobis[(*R*)-1-[(carboxymethyl)carbamoyl]ethylene]]di-L-glutamine $C_{20}H_{32}N_6O_{12}S_2$
palonidipinum palonidine	(±)-3-(benzylmethylamino)-2,2-dimethylpropyl methyl 4-(2-fluoro-5-nitrophenyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylate $C_{29}H_{34}FN_3O_6$
panipenemum panipenem	(+)-(5*R*,6*S*)-3-[[(*S*)-1-acetimidoyl-3-pyrrolidinyl]thio]-6-[(*R*)-1-hydroxyethyl]-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid $C_{15}H_{21}N_3O_4S$
parnaparinum natricum parnaparin sodium	Sodium salt of depolymerized heparin obtained by hydrogen peroxide and cupric acetate degradation of heparin from bovine and pork intestinal mucosa; the majority of the components have a 2-*O*-sulfo-α-L-idopyranosuronic acid structure at the non-reducing end and a 2-*N*,6-*O*-di-sulfo-D-glucosamine structure at the reducing end of their chain; the average relative molecular mass is between 4000 and 6000 (5000 ± 20 per cent); the degree of sulfatation is 2,15 (± 10 per cent) per disaccharidic unit.
pegademasum pegademase	adenosine deaminase, reaction product with succinic anhydride, esters with polyethylene glycol monomethyl ether The species specificity should be indicated in brackets after the name.
pegaspargasum pegaspargase	asparaginase, reaction product with succinic anhydride, esters with polyethylene glycol monomethyl ether
picumeterolum picumeterol	(–)-(*R*)-4-amino-3,5-dichloro-α-[[[6-[2-(2-pyridyl)ethoxy]hexyl]amino]-methyl]benzyl alcohol $C_{21}H_{29}Cl_2N_3O_2$
pidotimodum pidotimod	(*R*)-3-[(*S*)-5-oxoprolyl]-4-thiazolidinecarboxylic acid $C_9H_{12}N_2O_4S$
pirodavirum pirodavir	ethyl *p*-[2-[1-(6-methyl-3-pyridazinyl)-4-piperidyl]ethoxy]benzoate $C_{21}H_{27}N_3O_3$
pirodomastum pirodomast	4-hydroxy-1-phenyl-3-(1-pyrrolidinyl)-1,8-naphthyridin-2(1*H*)-one $C_{18}H_{17}N_3O_2$
porfimerum natricum porfimer sodium	photofrin II

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
prinoxodanum prinoxodan	3,4-dihydro-3-methyl-6-(1,4,5,6-tetrahydro-6-oxo-3-pyridazinyl)-2(1*H*)-quinazolinone $C_{13}H_{14}N_4O_2$
prisotinolum prisotinol	(±)-6-[2-(isopropylamino)propyl]-3-pyridinol $C_{11}H_{18}N_2O$
propagermanium propagermanium	polymer obtained from 3-(trihydroxygermyl)propionic acid $(C_3H_5GeO_{3,5})_n$
quinotolastum quinotolast	4-oxo-1-phenoxy-*N*-1*H*-tetrazol-5-yl-4*H*-quinolizine-3-carboxamide $C_{17}H_{12}N_6O_3$
quinupristinum quinupristin	*N*-[(6*R*,9*S*,10*R*,13*S*,15a*S*,22*S*,24a*S*)-22-[*p*-(dimethylamino)benzyl]-6-ethyl-docosahydro-10,23-dimethyl-5,8,12,15,17,21,24-heptaoxo-13-phenyl-18-[[(3*S*)-quinuclidinylthio]methyl]-12*H*-pyrido[2,1-*f*]pyrrolo[2,1-*l*][1,4,7,10,13,16]oxa-pentaazacyclononadecin-9-yl]-3-hydroxypicolinamide $C_{53}H_{67}N_9O_{10}S$
racementholum racementhol	(±)-(1*R**,3*R**,4*S**)-menthol $C_{10}H_{20}O$
regramostimum regramostim	colony-stimulating factor 2 (human clone pCSF-1 protein moiety reduced), glycoform GMC 89-107 $C_{837}H_{1003}N_{171}O_{197}S_8$
repagermanium repagermanium	poly-*trans*-[(2-carboxyethyl)germasesquioxane] $(C_{15}H_{30}Ge_6O_{21})_n$
reviparinum natricum reviparin sodium	Sodium salt of depolymerized heparin obtained by nitrous acid degradation of heparin from pork intestinal mucosa, the majority of the components have a 2-*O*-sulfo-α-L-idopyranosuronic acid structure at the non-reducing end and a 6-*O*-sulfo-2,5-anhydro-D-mannitol structure at the reducing end of their chain; the average relative molecular mass is 3500 to 4500, 90 per cent of which ranging between 2000 and 8000; the degree of sulfatation is about 2,2 per disaccharidic unit.
'spenzepinum .ispenzepine	(±)-6,11-dihydro-11-(1-methylnipecotoyl)-5*H*-pyrido[2,3-*b*][1,5]benzo-diazepin-5-one $C_{19}H_{20}N_4O_2$
ritolukastum ritolukast	1,1,1-trifluoro-α-2-quinolylmethanesulfon-*m*-anisidide $C_{17}H_{13}F_3N_2O_3S$
roxadimatum roxadimate	ethyl (±)-*p*-[bis(2-hydroxypropyl)amino]benzoate $C_{15}H_{23}NO_4$
sagandipinum sagandipine	methyl (5-piperidinomethyl)furfuryl 4-(*o*-fluorophenyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylate $C_{27}H_{31}FN_2O_5$

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
sapropterinum sapropterin	(–)-(6*R*)-2-amino-6-[(1*R*,2*S*)-1,2-dihydroxypropyl]-5,6,7,8-tetrahydro-4(3*H*)-pteridinone $C_9H_{15}N_5O_3$
sarpogrelatum sarpogrelate	(±)-2-(dimethylamino)-1-[[*o*-(*m*-methoxyphenethyl)phenoxy]methyl]ethyl hydrogen succinate $C_{24}H_{31}NO_6$
semotiadilum semotiadil	(+)-(*R*)-2-[5-methoxy-2-[3-[methyl[2-[3,4-methylenedioxy)phenoxy]ethyl]-amino]propoxy]phenyl]-4-methyl-2*H*-1,4-benzothiazin-3(4*H*)-one $C_{25}H_{32}N_2O_6S$
serazapinum serazapine	methyl (±)-1,3,4,16b-tetrahydro-2-methyl-2*H*,10*H*-indolo[2,1-*c*]pyrazino-[1,2-*a*][1,4]benzodiazepine-16-carboxylate $C_{22}H_{23}N_3O_2$
siltenzepinum siltenzepine	5-[*N*,*N*-bis(2-hydroxyethyl)glycyl]-8-chloro-5,10-dihydro-11*H*-dibenzo[*b*,*e*][1,4]diazepin-11-one $C_{19}H_{20}ClN_3O_4$
somagrebovum somagrebove	1-[N^2-(*N*-L-methionyl-L-α-aspartyl)-L-glutamine]growth hormone (ox reduced) $C_{987}H_{1554}N_{268}O_{291}S_9$
somavubovum somavubove	127-L-leucinegrowth hormone (ox) $C_{976}H_{1533}N_{265}O_{286}S_8$
sorivudinum sorivudine	(+)-1-β-D-arabinofuranosyl-5-[(*E*)-2-bromovinyl]uracil $C_{11}H_{13}BrN_2O_6$
sparfloxacinum sparfloxacin	5-amino-1-cyclopropyl-7-(*cis*-3,5-dimethyl-1-piperazinyl)-6,8-difluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid $C_{19}H_{22}F_2N_4O_3$
spiriprostilum spiriprostil	(±)-(5*R**,6*S**,7*R**)-7-hexyl-2,4-dioxo-1,3-diazaspiro[4,4]nonane-6-heptanoic acid $C_{20}H_{34}N_2O_4$
sucrosofatum sucrosofate	sucrose octakis(hydrogen sulfate) $C_{12}H_{22}O_{35}S_8$
sulazurilum sulazuril	2-[3,5-dichloro-4-[*p*-(methylsulfonyl)phenoxy]phenyl]dihydro-1-methyl-*as*-triazine-3,5(2*H*,4*H*)-dione $C_{17}H_{15}Cl_2N_3O_5S$
suleparoidum natricum suleparoid sodium	heparitin sulfate, sodium salt $(C_{14}H_{18}NO_{17}S_2Na_3)_n$
sulofenurum sulofenur	1-(*p*-chlorophenyl)-3-(5-indanylsulfonyl)urea $C_{16}H_{15}ClN_2O_3S$

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
sulukastum sulukast	3-[[(1*R*,2*E*,4*Z*)-1-[(α*S*)-α-hydroxy-*m*-1*H*-tetrazol-5-ylbenzyl]-2,4-tetradecadienyl]thio]propionic acid $C_{25}H_{36}N_4O_3S$
sumarotenum sumarotene	1,2,3,4-tetrahydro-1,1,4,4-tetramethyl-6-[(*E*)-α-methyl-*p*-(methylsulfonyl)-styryl]naphthalene $C_{24}H_{30}O_2S$
suplatastum tosilas suplatast tosilate	(±)-[2-[[*p*-(3-ethoxy-2-hydroxypropoxy)phenyl]carbamoyl]ethyl]-dimethylsulfonium *p*-toluenesulfonate $C_{23}H_{33}NO_7S_2$
tamsulosinum tamsulosin	(–)-(*R*)-5-[2-[[2-(*o*-ethoxyphenoxy)ethyl]amino]propyl]-2-methoxybenzene-sulfonamide $C_{20}H_{28}N_2O_5S$
taurosteinum urosteine	*N*-2-thenoyltaurine $C_7H_9NO_4S_2$
tebufelonum tebufelone	3′,5′-di-*tert*-butyl-4′-hydroxy-5-hexynophenone $C_{20}H_{28}O_2$
technetii (^{99m}Tc) bicisas technetium (^{99m}Tc) bicisate	[*N,N*′-ethylenedi-L-cysteinato(3-)]oxo[^{99m}Tc] technetium(V), diethyl ester $C_{12}H_{21}N_2O_5S_2{}^{99m}Tc$
technetium (^{99m}Tc) siboroximum technetium (^{99m}Tc) siboroxime	[bis[(2,3-butanedione dioximato)(1-)-*O*][(2,3-butanedione dioximato)(2-)-*O*]isobutylborato(2-)-*N,N*′, *N*″, *N*‴, *N*⁗, *N*⁗′]chloro[^{99m}Tc]technetium(III) $C_{16}H_{29}BClN_6O_6{}^{99m}Tc$
telmesteinum telmesteine	(–)-3-ethyl hydrogen (*R*)-3,4-thiazolidinedicarboxylate $C_7H_{11}NO_4S$
teludipinum teludipine	(±)-4-[*o*-[(*E*)-2-carboxyvinyl]phenyl]-2-[(dimethylamino)methyl]-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylic acid, 4-*tert*-butyl diethyl ester $C_{28}H_{38}N_2O_6$
matropii metilsulfas tematropium metilsulfate	3α-hydroxy-8-methyl-1α*H*,5α*H*-tropanium methyl sulfate (salt), (±)-ethyl hydrogen phenylmalonate $C_{21}H_{31}NO_8S$
temocaprilum temocapril	(+)-(2*S*,6*R*)-6-[[(1*S*)-1-carboxy-3-phenylpropyl]amino]tetrahydro-5-oxo-2-(2-thienyl)-1,4-thiazepine-4(5*H*)-acetic acid, 6-ethyl ester $C_{23}H_{28}N_2O_5S_2$
tenosalum tenosal	2-thiophenecarboxylic acid, ester with salicylic acid $C_{12}H_8O_4S$
tenosiprolum tenosiprol	(*R*)-4-hydroxy-L-proline 2-thiophenecarboxylate (ester) $C_{10}H_{11}NO_4S$

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
terbequinilum terbequinil	1,4-dihydro-1-(methoxymethyl)-4-oxo-*N*-propyl-3-quinolinecarboxamide $C_{15}H_{18}N_2O_3$
terikalantum terikalant	(–)-1-[2-(4-chromanyl)ethyl]-4-(3,4-dimethoxyphenyl)piperidine $C_{24}H_{31}NO_3$
tiagabinum tiagabine	(–)-(*R*)-1-[4,4-bis(3-methyl-2-thienyl)-3-butenyl]nipecotic acid $C_{20}H_{23}NO_2S_2$
tibeglisenum tibeglisene	(±)-5-(*p*-chlorophenyl)-2-(*p*-tolylsulfonyl)-4-pentynoic acid $C_{18}H_{15}ClO_4S$
tirilazadum tirilazad	21-[4-(2,6-di-1-pyrrolidinyl-4-pyrimidinyl)-1-piperazinyl]-16α-methylpregna-1,4,9(11)-triene-3,20-dione $C_{36}H_{52}N_6O_2$
tulopafantum tulopafant	(+)-3′-benzoyl-3-(3-pyridyl)-1*H*,3*H*-pyrrolo[1,2-*c*]thiazole-7-carboxanilide $C_{25}H_{19}N_3O_2S$
utibaprilum utibapril	(*S*)-2-*tert*-butyl-4-[(*S*)-*N*-[(*S*)-1-carboxy-3-phenylpropyl]alanyl]-Δ^2-1,3,4-thiadiazoline-5-carboxylic acid, 4-ethyl ester $C_{22}H_{31}N_3O_5S$
vamicamidum vamicamide	(±)-(*R**)-α-[(*R**)-2-(dimethylamino)propyl]-α-phenyl-2-pyridineacetamide $C_{18}H_{23}N_3O$
vanoxerinum vanoxerine	1-[2-[bis(*p*-fluorophenyl)methoxy]ethyl]-4-(3-phenylpropyl)piperazine $C_{28}H_{32}F_2N_2O$
vinfosiltinum vinfosiltine	[23(*S*)]-4-deacetyl-3-de(methoxycarbonyl)-3-[(2-methyl-1-phosphonopropyl)carbamoyl]vincaleukoblastine, diethyl ester $C_{51}H_{72}N_5O_{10}P$
vinleucinolum vinleucinol	[23(1*S*,2*S*)]-4-deacetyl-3-[(1-carboxy-2-methylbutyl)carbamoyl]-3-de(methoxycarbonyl)vincaleukoblastine, ethyl ester $C_{51}H_{69}N_5O_9$
vorozolum vorozole	(+)-6-(*p*-chloro-α-1*H*-1,2,4-triazol-1-ylbenzyl)-1-methyl-1*H*-benzotriazole $C_{16}H_{13}ClN_6$
zabiciprilatum zabiciprilat	(*S*)-2-[(*S*)-*N*-[(*S*)-1-carboxy-3-phenylpropyl]alanyl]-2-azabicyclo[2.2.2]octane-3-carboxylic acid $C_{21}H_{28}N_2O_5$
zalospironum zalospirone	(1*R**,2*R**,5*S**,6*S**,7*S**,8*R**)-*N*-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl]-tricyclo[4.2.2.$O^{2,5}$]deca-3,9-diene-7,8-dicarboximide $C_{24}H_{29}N_5O_2$

Recommended International Nonproprietary Name (Latin, English)	*Chemical Name or Description and Molecular Formula*
zaltoprofenum zaltoprofen	(±)-10,11-dihydro-α-methyl-10-oxodibenzo[*b,f*]thiepin-2-acetic acid $C_{17}H_{14}O_3S$
zatosetronum zatosetron	5-chloro-2,3-dihydro-2,2-dimethyl-*N*-1α*H*,5α*H*-tropan-3α-yl-7-benzofurancarboxamide $C_{19}H_{25}ClN_2O_2$
zenarestatum zenarestat	3-(4-bromo-2-fluorobenzyl)-7-chloro-3,4-dihydro-2,4-dioxo-1(2*H*)-quinazolineacetic acid $C_{17}H_{11}BrClFN_2O_4$
zeniplatinum zeniplatin	*cis*-[2,2-bis(aminomethyl)-1,3-propanediol](1,1-cyclobutanedicarboxylato)platinum $C_{11}H_{20}N_2O_6Pt$
zilascorbum (^{2}H) zilascorb (^{2}H)	5,6-*O*-[(*RS*)-benzylidene-α-*d*]-L-ascorbic acid $C_{13}H_{11}DO_6$
zileutonum zileuton	(±)-1-(1-benzo[*b*]thien-2-ylethyl)-1-hydroxyurea $C_{11}H_{12}N_2O_2S$
zofenoprilatum zofenoprilat	(4*S*)-1-[(*S*)-3-mercapto-2-methylpropionyl]-4-(phenylthio)-L-proline $C_{15}H_{19}NO_3S_2$
zopolrestatum zopolrestat	3,4-dihydro-4-oxo-3-[[5-(trifluoromethyl)-2-benzothiazolyl]methyl]-1-phthalazineacetic acid $C_{19}H_{12}F_3N_3O_3S$

AMENDMENTS TO PREVIOUS LISTS

WHO Chronicle, Vol. 19, No. 4, 5 and 6, 1965

Recommended International Nonproprietary Names (Rec. INN): List 5

p. 9 galantaminum
galantamine

replace the chemical name by the following:

1,2,3,4,6,7,7a,11c-octahydro-9-methoxy-2-methylbenzofuro[3a,3,2-*ef*][2]-benzazepin-6-ol

Supplement to WHO Chronicle, Vol. 35, No. 5, 1981

Recommended International Nonproprietary Names (Rec. INN): List 21

p. 2 amifostinum
amifostine

replace the chemical name and the molecular formula by the following:

S-[2-[(3-aminopropyl)amino]ethyl] dihydrogen phosphorothioate
$C_5H_{15}N_2O_3PS$

p. 6 loprazolamum
loprazolam

replace the chmical name by the following:

(*Z*)-6-(*o*-chlorophenyl)-2,4-dihydro-2-[(4-methyl-1-piperazinyl)methylene]-8-nitro-1*H*-imidazo[1,2-*a*][1,4]benzodiazepin-1-one

Supplement to WHO Chronicle, Vol. 39, No. 5, 1985

Recommended International Nonproprietary Names (Rec. INN): List 25

p. 5 efrotomycinum
efrotomycin

replace the chemical name by the following:

an antibiotic produced by *Streptomyces lactamdurans*
efrotomycin A_1 *or*
(*αS*,2*R*,3*R*,4*R*,6*S*)-4-[[6-deoxy-4-*O*-(6-deoxy-2,4-di-*O*-methyl-*α*-L-manno-pyranosyl)-3-*O*-methyl-*β*-D-allopyranosyl]oxy]-*N*-[(2*E*,4*E*,6*S*,7*R*)-7-[(2*S*,3*S*,-4*R*,5*R*)-5-[(1*E*,3*E*,5*E*)-6-(1,2-dihydro-4-hydroxy-1-methyl-2-oxonicotinoyl)-1,3,5-heptatrienyl]tetrahydro-3,4-dihydroxy-2-furyl]-6-methoxy-5-methyl-2,4-octadienyl]-*α*-ethyltetrahydro-2,3-dihydroxy-5,5-dimethyl-6-[(1*E*,3*Z*)-1,3-pentadienyl]-2*H*-pyran-2-acetamide

p. 6 enoxaparinum
enoxaparin

delete the whole entry

insert
enoxaparinum natricum
enoxaparin sodium

insert
Sodium salt of depolymerized heparin obtained by alcaline degradation of heparin benzyl ester from pork intestinal mucosa; the majority of the components present a 2-*O*-sulfo-4-enepyranosuronic acid structure at the non-reducing end and a 2-*N*,6-*O*-disulfo-D-glucosamine structure at the reducing end of their chain; the average relative molecular mass is about 4500, ranging between 3500 and 5500; the degree of sulfatation is about 2 per disaccharidic unit.

Supplement to WHO Chronicle, Vol. 40, No. 6, 1986

Recommended International Nonproprietary Names (Rec. INN): List 26

p. 4 epalrestatum
epalrestat

replace the chmical name by the following:

5-[(*Z*,*E*)-*β*-methylcinnamylidene]-4-oxo-2-thioxo-3-thiazolidineacetic acid

WHO Drug Information, Vol. 2, No. 3, 1988

Recommended International Nonproprietary Names (Rec. INN): List 28

	delete	*insert*
p. 3	levdropropizinum levdropropizine	levodropropizinum levodropropizine
p. 4	pemedolacum pemedolac	*replace the chemical name by the following:* (±)-*cis*-4-benzyl-1-ethyl-1,3,4-9-tetrahydropyrano[3,4-*b*]indole-1-acetic acid

WHO Drug Information, Vol. 3, No. 3, 1989

Recommended International Nonproprietary Names (Rec. INN): List 29

p. 1	acemannanum acemannan	*replace the description by the following:* Acemannan is a highly acetylated, polydispersed, linear mannan obtained from the mucilage of *Aloe barbadensis*, Miller (aloe vera).
p. 2	beraprostum beraprost	*replace the chemical name by the following:* (±)-(1*R*,2*R*,3a*S*,8b*S*)-2,3,3a,8b-tetrahydro-2-hydroxy-1-[(*E*)-(3*S*,4*RS*)-3-hydroxy-4-methyl-1-octen-6-ynyl]-1*H*-cyclopenta[*b*]benzofuran-5-butyric acid

WHO Drug Information, Vol. 4, No. 3, 1990

Recommended International Nonproprietary Names (Rec. INN): List 30

p. 6	fosquidonum fosquidone	*replace the chemical name by the following:* benzyl (±)-5,8,13,14-tetrahydro-14-methyl-8,13-dioxobenz[5,6]isoindolo-[2,1-*b*]isoquinolin-9-yl hydrogen phosphate
p. 8	moxidectinum moxidectin	*replace the chemical name by the following:* (6*R*,25*S*)-5-*O*-demethyl-28-deoxy-25-[(*E*)-1,3-dimethyl-1-butenyl]-6,28-epoxy-23-oxomilbemycin B 23-(*E*)-(*O*-methyloxime)