

# **International Nonproprietary Names (INN) for pharmaceutical substances**

Names for radicals & groups  
comprehensive list

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2002



Programme on International Nonproprietary Names (INN)  
Quality Assurance and Safety: Medicines  
Essential Drugs and Medicines Policy  
World Health Organization  
Geneva

**International Nonproprietary Names (INN) for pharmaceutical substances. Names for radicals and groups : comprehensive list**

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WORLD HEALTH ORGANIZATION  
ORGANISATION MONDIALE DE LA SANTE

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## Preface

### WHO'S INN PROGRAMME

WHO has a constitutional responsibility to "develop, establish and promote international standards with respect to biological, pharmaceutical and similar products". This is the basis for many activities within WHO, such as International Nonproprietary Names (INN), WHO Good Manufacturing Practices, the International Pharmacopoeia, the WHO Certification Scheme and many others. The section of the WHO specifically dealing with selection of International Nonproprietary Names for pharmaceutical substances falls under the Department of Essential Drugs and Medicines Policy.

The INN system as it exists today was initiated in 1950 by the *World Health Assembly resolution WHA3.11* and began operating in 1953, when the first list of Nonproprietary Names for pharmaceutical substances was published. So far, some 8000 names have been designated as INNs, and this number is growing every year by some 120 – 150 new INNs.

INNs are selected in close collaboration with national nomenclature commissions (e.g. BAN *British Approved Name*, DCF *Dénomination Commune Française*, DCIt *Denominazione Comune Italiana*, JAN *Japanese Accepted Name*, USAN *United States Adopted Name* etc.). Today, the INN Committee assumes the leading role in assigning generic names to drug substances. Instances where a national generic name for a new pharmaceutical substance is different from the INN are rare exceptions.

### INN SELECTION PROCEDURE AND CRITERIA

A request for an INN is usually submitted on a form to the World Health Organization. In certain countries, where national nomenclature commissions exist, this is done through the corresponding national nomenclature authority.

Precise information on the chemistry, pharmacological action and use, as well as suggested nonproprietary names, name and address of the manufacturer are to be provided on the form. Each name proposed by the originator of such a request is then examined and a name selected.

All members of the WHO Expert Panel on the International Pharmacopoeia and Pharmaceutical Preparations designated to select nonproprietary names have to agree to the name which is then first published as a proposed INN. During a four-month period, any person can forward comments, or lodge a formal objection to a name, e.g. on grounds of similarity with a trade-name. If no objection is raised the name will be published a second time as recommended INN.

The primary principles for selection are that an INN should be

- distinctive in sound and spelling,
- not too long,
- not liable to confusion with other names in common use.

INNs for substances belonging to a particular group of pharmacologically related substances show their relationship by the use of common stems, which are listed and defined in this document. In addition to the above rules, certain rules have been established to allow the use of INNs internationally, i.e. in various languages. For example, the letters "h" and "k" should be avoided; "e" should be used instead of "ae" and "oe", "i" instead of "y" and "t", "f" instead of "th" and "ph".

Further information on the selection procedure and general principles in devising INNs may be found in the "*Guidelines on the Use of International Nonproprietary Names (INNs) for*

*Pharmaceutical Substances*” (WHO/PHARM S/NOM 1570).



**Reference to the volumes of the *WHO Drug Information* in which the respective proposed lists of INNs have been published:****List no. and reference**

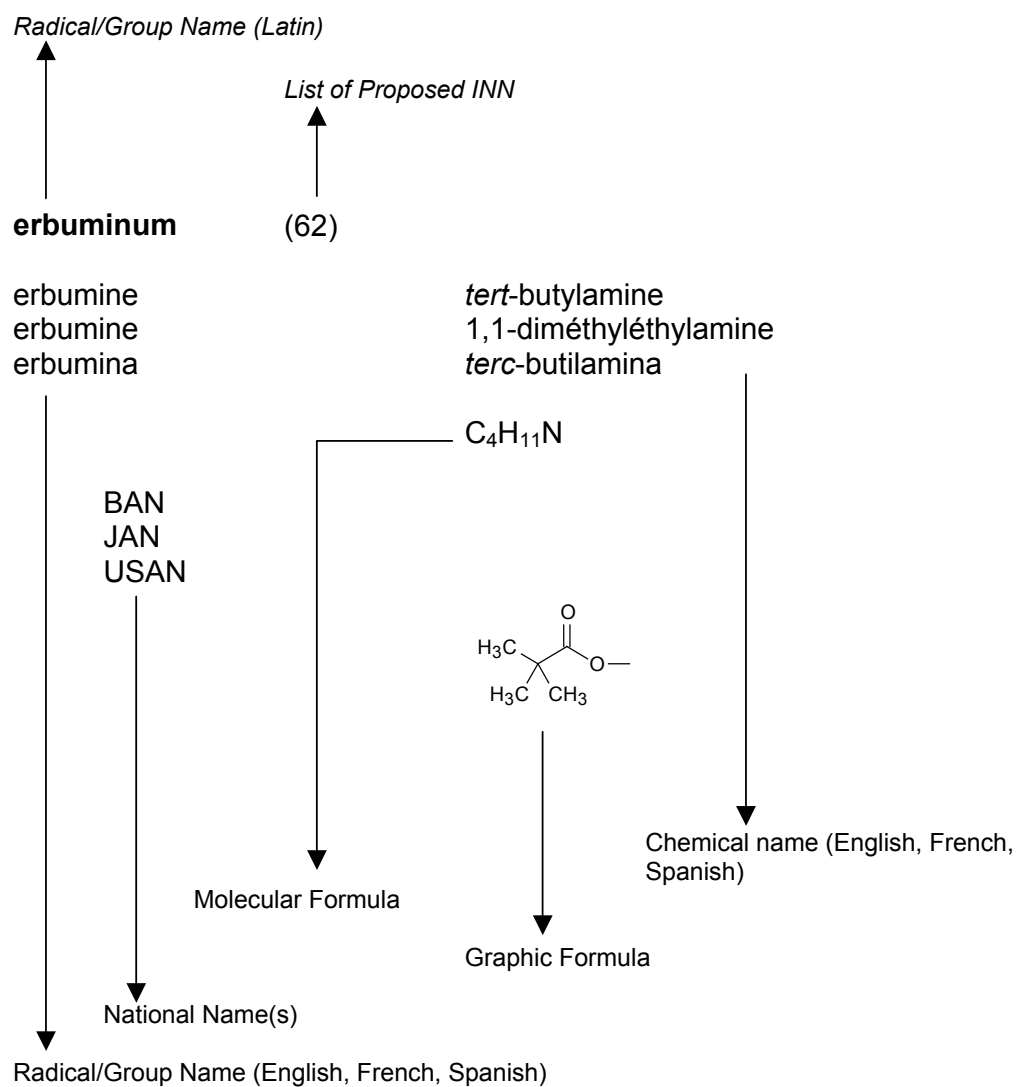
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4 *Chron. Wld Hlth Org.* 10: 28 (1956)  
5 *Chron. Wld Hlth Org.* 11: 231 (1957)  
6 *Chron. Wld Hlth Org.* 12: 102 (1958)  
7 *WHO chronicle* 13: 105 (1959)  
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12 *WHO chronicle* 16: 385 (1962)  
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14 *WHO chronicle* 18: 433 (1964)  
15 *WHO chronicle* 19: 446 (1965)  
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**List no. and reference**

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85 *WHO drug information* 15: No. 2 (2001)  
86 *WHO drug information* 16: No. 1 (2002)



## Layout of information





# INNs: Names for radicals and groups

## *Comprehensive list*

Some substances for which a proposed International Nonproprietary Name has been established may be used in the form of salts or esters. The radicals or groups involved may be of complex composition and it is then inconvenient to refer to them in systematic chemical nomenclature. Consequently, shorter nonproprietary names for some radicals and groups have been devised or selected, and they are suggested for use with the proposed nonproprietary names.

The following list contains radicals and groups which have been published either in the section "Names for radicals and groups" in lists 1-85 of proposed INNs or as part of a two-word INN in lists 1-85 of proposed and 1-45 of recommended INNs, respectively. Whenever a name appeared in both lists, reference is made to its publication only in the category "radicals and groups". Only one reference is given for groups and radicals published as part of a two-word name.

Other groups and elements which have been published in two-word INNs and which may now be considered as being part of the INN (modified INN) approach are listed in the ANNEX to this document.

In addition, references to British Approved Name (BAN), Japanese Accepted Name (JAN) and United States Adopted Name (USAN) have been included for the radicals, groups and adducts published or accepted for use by these national nomenclature committees.

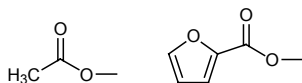
Latin name	<i>prop./rec. list</i>
English name	<i>chemical name</i>
Dénomination en français	<i>molecular formula</i>
Denominación en español	<i>graphic formula</i>
( ) published as INN	

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**acefuras**

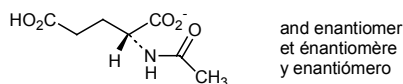
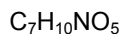
(dexamethasoni acefuras (57)(27))

acefurate	acetate (ester), furane-2-carboxylate (ester)
acéfurate	acétate (ester), furane-2-carboxylate (ester)
acefurato	acetato (éster), furano-2-carboxilato (éster)

**aceglumas**

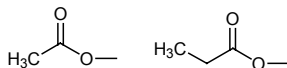
(deanolii aceglumas (15) (\*))

aceglumate	<i>rac</i> -hydrogen <i>N</i> -acetylglutamate
acéglumate	<i>rac</i> -hidrogéno- <i>N</i> -acétylglutamate
aceglumato	<i>rac</i> -hidrógeno <i>N</i> -acetilglutamato

and enantiomer  
et énantiomère  
y enantiómero**aceponas**

(methylprednisoloni aceponas (52)(25))

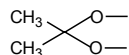
aceponate	acetate (ester), propanoate (ester)
acéponate	acétate (ester), propanoate (ester)
aceponato	acetato (éster), propanoato (éster)

**acetonidum**

(fluocinoloni acetonidum (11)(05))

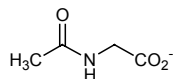
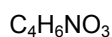
acetonide propane-2,2-diylbis(oxy)  
 acétonide propane-2,2-diylbis(oxy)  
 acetonido propano-2,2-diilbis(oxi)

BAN

**aceturas** (22)

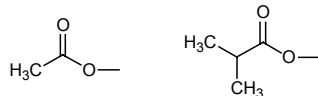
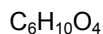
aceturate *N*-acetylglycinate  
 acétureate *N*-acétylglycinate  
 aceturato *N*-acetilglicinato

BAN  
 JAN  
 USAN



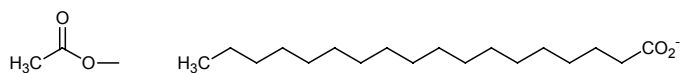
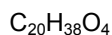
**acibutas**  
 (betamethasoni acibutas (26)(12))

acibutate acetate (ester), 2-methylpropanoate (ester)  
 acibutate acétate (ester), 2-méthylpropanoate (ester)  
 acibutato acetato (éster), 2-metilpropanoato (éster)

**acistras** (64)

acistrate acetate (ester), octadecanoate (ester)  
 acistrate acétate (ester), octadécanoate (ester)  
 acistrato acetato (éster), octadecanoato (éster)

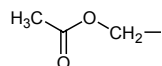
JAN  
 USAN

**acoxilum** (67)

acoxil  
acoxil  
acoxilo

(acetyloxy)methyl  
(acétyloxy)méthyle  
(acetiloxi)metilo

JAN

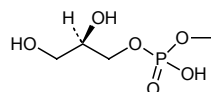
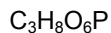


**alfosceras**

(cholini alfosceras (60)(29))

alfoscerate  
alfoscérate  
alfoscerato

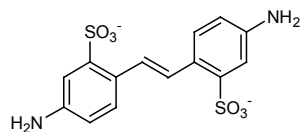
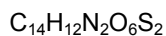
(2*R*)-2,3-dihydroxypropyl hydrogen phosphate  
hydrogénophosphate de (2*R*)-2,3-dihydroxypropyle  
hidrógenofosfato de (2*R*)-2,3-dihidroxiopilo



**amsonas** (18)

amsonate  
amsonate  
amsonate

2,2'-ethene-1,2-diylbis(5-aminobenzene-1-sulfonate)  
2,2'-éthène-1,2-diylbis(5-aminobenzène-1-sulfonate)  
2,2'-eteno-1,2-diilbis(5-aminobenceno-1-sulfonato)

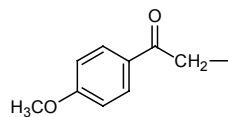


BAN  
JAN

**anisatilum** (76)

anisatil  
anisatil  
anisatilo

2-(4-methoxyphenyl)-2-oxoethyl  
2-(4-méthoxyphényl)-2-oxoéthyle  
2-(4-metoxifenil)-2-oxoetilo

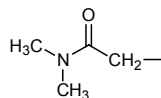


**arbamelum**



(tilnoprofenum arbamelum (74)(36))

arbamel 2-(dimethylamino)-2-oxoethyl  
 arbamel 2-(diméthylamino)-2-oxoéthyle  
 arbamel 2-(dimetilamino)-2-oxoetilo

C<sub>4</sub>H<sub>8</sub>NO**arginum**

(insulinum arginum (58)(28))

argine 30<sup>B</sup>α-L-arginine-30<sup>B</sup>β-L-arginine  
 argine 30<sup>B</sup>α-L-arginine-30<sup>B</sup>β-L-arginine  
 argina 30<sup>B</sup>α-L-arginina-30<sup>B</sup>β-L-arginina

C<sub>12</sub>H<sub>25</sub>N<sub>8</sub>O<sub>3</sub>

-Arg-Arg-OH

**aritoxum**

(dorlimomabum aritoxum (66)(32))

aritox ricin A chain-MAB immunotoxine  
 aritox immunotoxine obtenue par couplage du MAB avec la chaîne A de la ricine  
 aritox inmunotoxina obtenida por acoplamiento del anticuerpo monoclonal con la cadena A de la ricina

**aspartum**

(insulinum aspartum (76)(38))

aspart 28<sup>B</sup>-L-aspartic acid-  
 asparte 28<sup>B</sup>-acide L-aspartique  
 asparta 28<sup>B</sup>-ácido-L-aspartico-

C<sub>4</sub>H<sub>5</sub>NO<sub>3</sub>

-Asp-

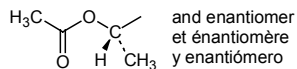
**axetilum** (48)

axetil  
axétil  
axetilo

*rac*-1-(acetyloxy)ethyl  
*rac*-1-(acétyloxy)éthyle  
*rac*-1-(acetiloxi)etilo

$C_4H_7O_2$

BAN  
JAN  
USAN



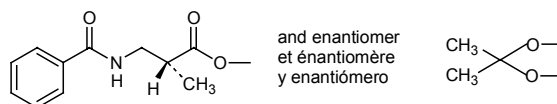
### benetonidum

(triamcinoloni benetonidum (36)(17))

benetonide  
bénétonide  
benetonido

*N*-benzoyl-2-methyl- $\beta$ -alanine (ester), acetonide  
3-(benzoylamino)-2-méthylpropanoate (ester), acétonide  
3-(benzoilamino)-2-metilpropanoato (éster), acetónido

$C_{14}H_{18}NO_5$



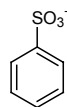
### besilas (22)

besilate  
bésilate  
besilato

benzenesulfonate  
benzènesulfonate  
bencenosulfonato

$C_6H_5O_3S$

BAN: besylate  
JAN  
USAN: besylate



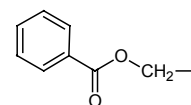
### bezomilum (62)

bezomil  
bézomil  
bezomilo

(benzoyloxy)methyl  
(benzoyloxy)méthyle  
(benzoiloxi)metilo

$C_8H_7O_2$

JAN

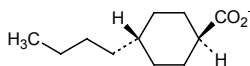
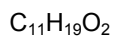


### buciclas (66)

buciclate  
buciclate  
buciclato

*trans*-4-butylcyclohexanecarboxylate  
*trans*-4-butylcyclohexanecarboxylate  
*trans*-4-butilciclohexanocarboxilato

JAN

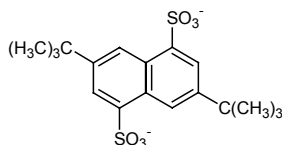
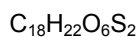


**bunapsilas** (24)

bunapsilate  
bunapsilate  
bunapsilato

3,7-di-*tert*-butylnaphthalene-1,5-disulfonate  
3,7-di-*tert*-butylnaphtalène-1,5-disulfonate  
3,7-di-*terc*-butilnaftaleno-1,5-disulfonato

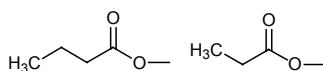
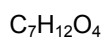
JAN



**butepras** (61)

buteprate  
butéprate  
buteprato

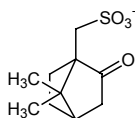
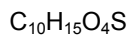
butyrate (ester), propionate (ester)  
butanoate (ester), propanoate(ester)  
butanoato (éster), propanoato (éster)

JAN  
USAN

**camsilas** (18)

camsilate  
camsilate  
camsilato

(7,7-dimethyl-2-oxobicyclo[2.2.1]heptan-1-yl)methanesulfonate  
(7,7-diméthyl-2-oxobicyclo[2.2.1]heptan-1-yl)méthanesulfonate  
(7,7-dimetil-2-oxobicyclo[2.2.1]heptan-1-il)metanosulfonato

BAN: camsylate  
JAN  
USAN: camsylate

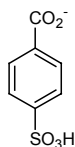
**carbesilas** (33)

carbesilate  
carbésilate  
carbesilato

4-sulfobenzoate  
4-sulfobenzoate  
4-sulfobenzoato

$C_7H_5O_5S$

JAN



**ciclotas** (28)

ciclotate  
ciclotate  
ciclotato

4-methylbicyclo[2.2.2]oct-2-ene-1-carboxylate  
4-méthylbicyclo[2.2.2]oct-2-ène-1-carboxylate  
4-metilbiciclo[2.2.2]oct-2-eno-1-carboxilato

$C_{10}H_{13}O_2$

JAN

USAN:cyclotate



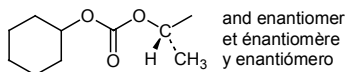
**cilexetilum** (73)

cilexetil  
cilexétíl  
cilexetilo

*rac*-1-[[cyclohexyloxy]carbonyloxy]ethyl  
*rac*-1-[[cyclohexyloxy]carbonyloxy]éthyle  
*rac*-1-[[ciclohexiloxi]carbonil]oxi]etilo

$C_9H_{15}O_3$

BAN



**cipionas** (18)

cipionate  
cipionate  
cipionato

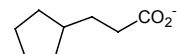
3-cyclopentylpropanoate  
3-cyclopentylpropanoate  
3-ciclopentilpropanoato

$C_8H_{13}O_2$

BAN: cypionate

JAN

USAN:cypionate



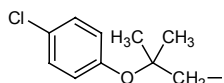
**clofibrolum**

(acefyllinum clofibrolum (44)(22))

clofibrol  
clofibrol  
clofibrol

2-(4-chlorophenoxy)-2-methylpropyl  
2-(4-chlorophénoxy)-2-méthylpropyle  
2-(4-clorofenoxi)-2-metilpropilo

$C_{10}H_{12}ClO$



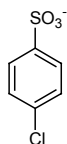
**closilas** (18)

closilate  
closilate  
closilato

4-chlorobenzene-1-sulfonate  
4-chlorobenzène-1-sulfonate  
4-clorobenceno-1-sulfonato

$C_6H_4ClO_3S$

BAN: closylate  
JAN  
USAN: closylate



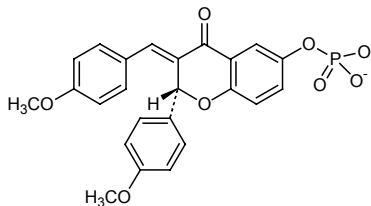
**crobefas** (61)

crobefate  
crobéfate  
crobefato

*rac*-{3-[(3*E*)-4-methoxybenzylidene]-2-(4-methoxyphenyl)chroman-6-yl phosphate(2-)}  
*rac*-{phosphate(2-) de 3-[(3*E*)-4-méthoxybenzylidène]-2-(4-méthoxyphényl)chroman-6-yle}  
*rac*-{fosfato(2-) de 3-[(3*E*)-4-metoxibenciliden]-2-(4-metoxifenil)croman-6-ilo}

$C_{24}H_{19}O_8P$

JAN



and enantiomer  
et énantiomère  
y enantiómero

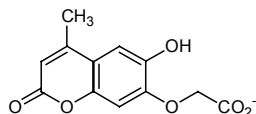
**cromacas** (22)

cromacate  
cromacate  
cromacato

2-[(6-hydroxy-4-methyl-2-oxo-2*H*-1-benzopyran-7-yl)oxy]acetate  
2-[(6-hydroxy-4-méthyl-2-oxo-2*H*-chromén-7-yl)oxy]acétate  
2-[(6-hidroxi-4-metil-2-oxo-2*H*-cromen-7-il)oxi]acetato

JAN

$C_{12}H_9O_6$



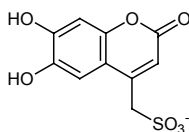
**cromesilas** (22)

cromesilate  
cromésilate  
cromesilato

(6,7-dihydroxy-2-oxo-2*H*-chromen-4-yl)methanesulfonate  
(6,7-dihydroxy-2-oxo-2*H*-chromén-4-yl)méthanesulfonate  
(6,7-dihidroxi-2-oxo-2*H*-cromen-4-il)metanosulfonato

JAN  
BAN

$C_{10}H_7O_7S$



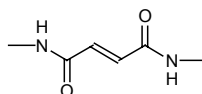
**crosumarilum**

(hemoglobinum crosumarilum (76)(\*))

crosumaril  
crosumaril  
crosumarilo

(2*E*)-but-2-enebis(amidyl)  
(2*E*)-but-2-enebis(amidyl)  
(2*E*)-but-2-enobis(amidil)

$C_4H_4N_2O_2$



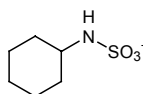
**cyclamas**

(aminophenazoni cyclamas (16)(\*))

cyclamate  
cyclamate  
ciclamato

cyclohexylsulfamate  
cyclohexylsulfamate  
ciclohexilsulfamato

$C_6H_{12}NO_3S$

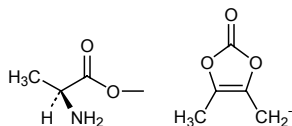
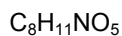


**daloxatum**

(cefcanelum dolaxatum (59)(29))

daloxate  
daloxate  
daloxato

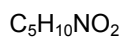
L-alaninate (ester), (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl  
L-alaninate (ester), (5-méthyl-2-oxo-1,3-dioxol-4-yl)méthyle  
L-alaninato (éster), (5-metil-2-oxo-1,3-dioxol-4-il)metil



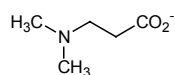
**daropas** (74)

daropate  
daropate  
daropato

3-(dimethylamino)propanoate  
3-(diméthylamino)propanoate  
3-(dimetilamino)propanoato



USAN



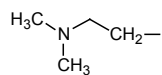
**deanil** (40)

deanil  
déanil  
déanilo

2-(dimethylamino)ethyl  
2-(diméthylamino)éthyle  
2-(dimetilamino)etilo



JAN



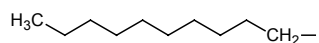
**decil** (40)

decil  
décil  
decilo

decyl  
décyle  
decilo



JAN



**defalanum**

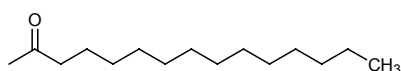
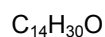
(## insulinum defalanum (37)(\*))

defalan	des-1 <sup>B</sup> -L-phenylalanine-insulin
défalan	dés-1 <sup>B</sup> -L-phénylalanine-insuline
defalan	des-1 <sup>B</sup> -L-(fenilalanina)-insulina

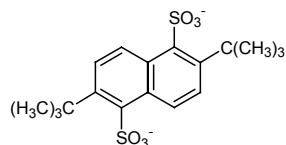
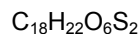
**detemirum**

(insulinum detemirum (80)(42))

detemir	tetradecanoyl
détémir	tétradécanoyl
detemir	tetradecanoil

**dibudinas** (25)

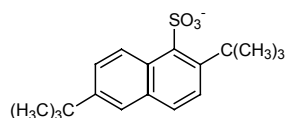
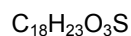
dibudinate	2,6-di- <i>tert</i> -butylnaphthalene-1,5-disulfonate
dibudinate	2,6-bis(1,1-diméthyléthyl)naphtalène-1,5-disulfonate
dibudinato	2,6-di- <i>terc</i> -butilnaftaleno-1,5-disulfonato



JAN

**dibunas** (48)

dibunate	2,6-di- <i>tert</i> -butylnaphthalene-1-sulfonate
dibunate	2,6-di- <i>tert</i> -butylaphtalène-1-sulfonate
dibunato	2,6-di- <i>terc</i> -butilnaftaleno-1-sulfonato



JAN

**dicibas**

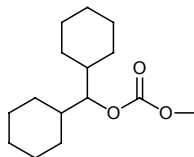
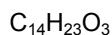
(locicortoloni dicibas (60)(29))

dicibate	dicyclohexylmethyl carbonate
----------	------------------------------



dicibate  
dicibato

carbonate de dicyclohexylméthyle  
carbonato de diciclohexilmetilo

**diftitoxum**

(denileukinum diftitoxum (78)(40))

diftitox  
diftitox  
diftitox

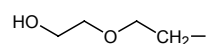
*N*-L-methionyl-387-L-histidine-388-L-alanine-1-388-toxin  
(*Corynebacterium diphtheriae* strain C7) (388→2')-protein  
*N*-L-méthionyl[387-L-histidine-388-L-alanine]-(1-388)-toxine (souche C7 de *Corynebacterium diphtheriae*)-(388→2')  
*N*-L-metionil-387-L-histidina-388-L-alanina-1-388-toxina (cepa C7 de *Corynebacterium diphtheriae*) (388→2')

**digolilum** (59)

digolil  
digolil  
digolilo

2-(2-hydroxyethoxy)ethyl  
2-(2-hydroxyéthoxy)éthyle  
2-(2-hidroxiétoxi)etílo

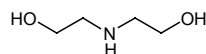
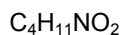
JAN

**diolaminum** (22)

diolamine  
diolamine  
diolamina

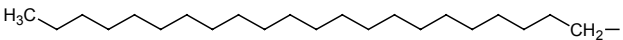
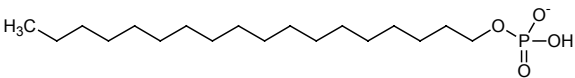
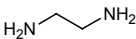
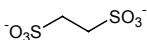
2,2'-azanediyl diethanol  
2,2'-azanediyl diéthanol  
2,2'-azanodiil dietanol

JAN  
USAN

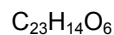
**docosilum** (63)

docosil  
docosil

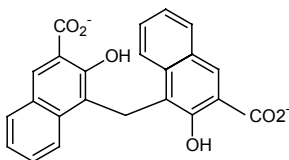
docosyl  
docosyle

docosilo	docosilo	
JAN	$C_{22}H_{45}$	
<b>dofosfatum</b> (65)		
dofosfate	octadecyl hydrogen phosphate	
dofosfate	hydrogénophosphate d'octadécyle	
dofostato	hidrógenofosfato de octadecilo	
JAN	$C_{18}H_{38}O_4P$	
<b>edaminum</b> (70)		
edamine	ethane-1,2-diamine	
édamine	éthane-1,2-diamine	
edamina	etano-1,2-diamina	
USAN	$C_2H_8N_2$	
<b>edisilas</b> (18)		
edisilate	ethane-1,2-disulfonate	
édisilate	éthane-1,2-disulfonate	
edisilato	etano-1,2-disulfonato	
BAN	$C_2H_4O_6S_2$	
JAN		
USAN: edisylate		
<b>embonas</b> (18)		
embonate	4,4'-methylenebis(3-hydroxynaphthalene-2-carboxylate)	
embonate	4,4'-méthylènebis(3-hydroxynaphtalène-2-carboxylate)	

embonato 4,4'-metilenbis(3-hidroxi-naftaleno-2-carboxilato)

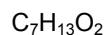


BAN  
JAN  
USAN:pamoate

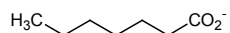


**enantas** (18)

enantate heptanoate  
énantate heptanoate  
enantato heptanoato



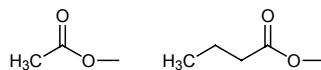
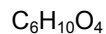
BAN: enanthate  
JAN  
USAN:enantate



**enbutas**

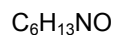
(icometasoni enbutas (70)(34))

enbutate acetate (ester), butanoate (ester)  
enbutate acétate (ester), butanoate (ester)  
enbutato acetato (éster), butanoato (éster)

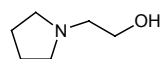


**epolaminum** (69)

epolamine 2-(pyrrolidin-1-yl)ethanol  
épolamine 2-(pyrrolidin-1-yl)éthanol  
epolamina 2-(pirrolidin-1-il)etanol

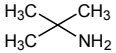

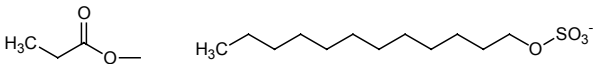
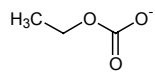


USAN



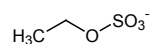
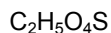
**erbuminum** (62)

erbumine 2-methylpropan-2-amine  
erbumine 2-méthylpropan-2-amine  
erbumina 2-metilpropan-2-amina

	BAN JAN USAN	$C_4H_{11}N$	
			
<b>esilas</b>	(18)		
esilate ésilate esilato		ethanesulfonate éthanesulfonate etanosulfonato	
	BAN: esylate JAN USAN: esylate	$C_2H_5O_3S$	
			
<b>estolas</b>	(28)		
estolate estolate estolato		propanoate (ester), dodecyl sulfate (salt) propanoate (ester), sulfate de dodécyle (sel) propanoate (éster), sulfato de dodecilo (sal)	
	JAN USAN	$C_{15}H_{30}O_6S$	
			
<b>etabonas</b>	(64)		
etabonate étabonate etabonato		ethyl carbonate carbonate d'éthyle carbonato de etilo	
	JAN USAN	$C_3H_5O_3$	
			
<b>etilsulfas</b>	(mecetronii etilsulfas (51)(24))		
etilsulfate étilsulfate		ethyl sulfate sulfate d'éthyle	

etilsulfato

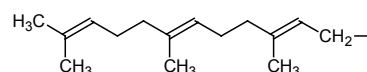
sulfato de etilo

**farnesilum** (61)

farnesil

farnésil

farnesilo

(2*E*,6*E*)-3,7,11-trimethyldodeca-2,6,10-trien-1-yl(2*E*,6*E*)-3,7,11-triméthylododéca-2,6,10-trién-1-yl(2*E*,6*E*)-3,7,11-trimetildodeca-2,6,10-trien-1-il

JAN

**fendizoas** (64)

fendizoate

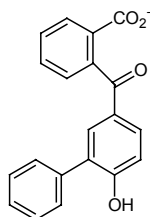
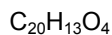
fendizoate

fendizoato

2-[(6-hydroxybiphenyl-3-yl)carbonyl]benzoate

2-[(6-hydroxybiphényl-3-yl)carbonyl]benzoate

2-[(6-hidroxi bifeníl-3-il)carbonil]benzoato



JAN

**fostedatum** (70)

fostedate

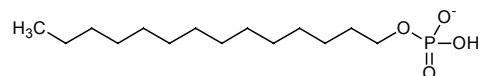
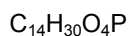
fostédato

fostedato

tetradecyl hydrogen phosphate

hydrogénophosphate de tétradécyle

hidrógenofosfato de tetradecilo



USAN

**furetonidum**

(triamcinoloni furetonidum (36)(17))

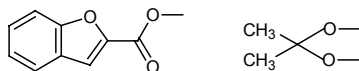
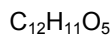
furetonide

furétonide

1-benzofurane-2-carboxylate (ester), propane-2,2-diylbis(oxy)

1-benzofurane-2-carboxylate (ester), propane-2,2-diylbis(oxy)

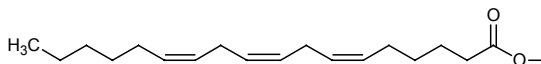
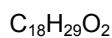
furetónido 1-benzofurano-2-carboxilato (éster), propano-2,2-diilbis(oxi)



### gamolenatum

(ascorbylum gamolenatum (79)(41))

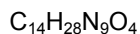
gamolenate (6Z,9Z,12Z)-octadeca-6,9,12-trienoate  
 gamolénate (6Z,9Z,12Z)-octadéca-6,9,12-triénoate  
 gamolenato (6Z,9Z,12Z)- octadeca-6,9,12-trienoato



### glarginum

(insulinum glarginum (76)(\*))

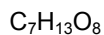
glargine 21<sup>A</sup>-glycine-30<sup>B</sup>α-L-arginine-30<sup>B</sup>β-L-arginine  
 glargine [21<sup>A</sup>-glycine]30<sup>B</sup>α-L-arginine-30<sup>B</sup>β-L-arginine  
 glargina 21<sup>A</sup>-glicina-30<sup>B</sup>α-L-arginina-30<sup>B</sup>β-L-arginina



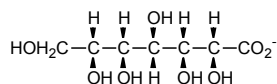
Gly- -Arg-Arg

### gluceptas (18)

gluceptate *D-glycero-D-gulo*-heptonate  
 gluceptate *D-glycéro-D-gulo*-heptonate  
 gluceptato *D-glicero-D-gulo*-heptonato



BAN  
 JAN  
 USAN



### glulisinum

(insulinum glulisinum (84))

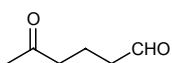
glulisine [3<sup>B</sup>-L-lysine,29<sup>B</sup>-L-glutamic acid]  
 glulisine [3<sup>B</sup>-L-lysine,29<sup>B</sup>-L-acide glutamique]

glulisina [3<sup>B</sup>-L-lisina,29<sup>B</sup>-L-ácido glutámico]  
-Lys- -Glu-

**glutamerum**

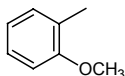
(hemoglobinum glutamerum (80)(42))

glutamer glutaraldehyde polymer  
glutamère polymère de glutaraldéhyde  
glutámero polímero de glutaraldehido

**guacilum**

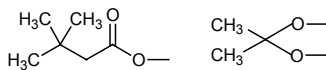
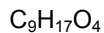
(amtolmetinum guacilum (65)(32))

guacil 2-methoxyphenyl  
guacil 2-méthoxyphényl  
guacilo 2-metoxifenilo

**hexacetonidum**

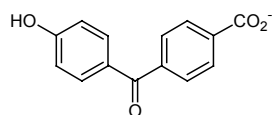
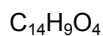
(triamcinoloni hexacetonidum (15)(06))

hexacetonide 3,3-dimethylbutanoate (ester), propan-2,2-diylbis(oxy)  
hexacétonide 3,3-diméthylbutanoate (ester), propan-2,2-diylbis(oxy)  
hexacetónido 3,3-dimetilbutanoato (éster), propan-2,2-diilbis(oxi)

**hibenzas** (18)

hibenzate p-(4-hydroxybenzoyl)benzoate  
hibenzate 4-(4-hydroxybenzoyl)benzoate  
hibenzato 4-(4-hidroxibenzoil)benzoato

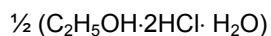
JAN  
USAN:hybenzate



**hyclas** (62)

hyclate  
hyclate  
hiclato

ethanol – hydrogen chloride - water ( $\frac{1}{2}$  / 1 /  $\frac{1}{2}$ )  
éthanol – chlorure d'hydrogène – eau ( $\frac{1}{2}$  / 1 /  $\frac{1}{2}$ )  
etanol – cloruro de hidrógeno – agua ( $\frac{1}{2}$  / 1 /  $\frac{1}{2}$ )



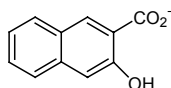
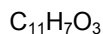
JAN  
USAN

**hydroxynapththoas**

(bephinii hydroxynapththoas (11) (05))

hydroxynapthtoate  
hydroxynapthtoate  
hidroxinaftoato

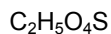
3-hydroxynaphthalene-2-carboxylate  
3-hydroxynaphtalène-2-carboxylate  
3-hidroxinaftaleno-2-carboxilato



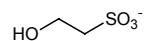
**isetionas** (18)

isetionate  
isétionate  
isetionato

2-hydroxyethane-1-sulfonate  
2-hydroxyéthane-1-sulfonate  
2-hidroxietano-1-sulfonato



BAN:isethionate  
JAN  
USAN:isethionate

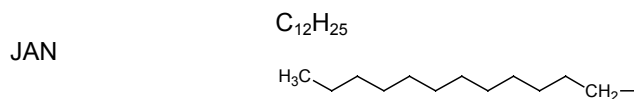


**lauril** (41)

lauril  
lauril  
laurilo

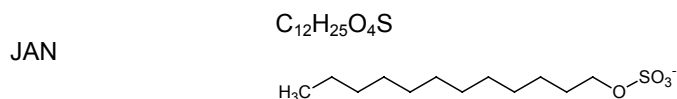
dodecyl  
dodécyle  
dodecilo



**laurilsulfas** (24)

laurilsulfate  
laurilsulfate  
laurilsulfato

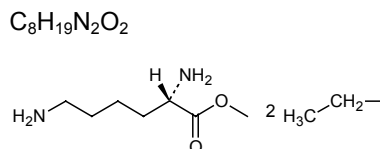
dodecyl sulfate  
sulfate de dodécyle  
sulfato de dodecilo

**lisetilum**

(cromoglicas lisetilum (72)(35))

lisetil  
lisétíl  
lisetilo

L-lysinate (ester), methoxymethane  
L-lysinate (ester), méthoxyméthane  
L-lisinato (éster), metoximetano

**lisprum**

(insulinum lisprum (72)(35))

lispro  
lispro  
lispro

$28^B$ -L-lysine- $29^B$ -L-proline  
[ $28^B$ -L-lysine- $29^B$ -L-proline]  
 $28^B$ -L-lisina,  $29^B$ -L-prolina

-Lys-Pro

**mafenatoxum**

(anatumomabum mafenatoxum (79)(41))

mafenatox  
mafénatox  
mafenatox

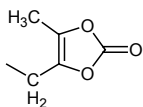
enterotoxin A (227-alanine) (*Staphylococcus aureus*)  
(227-alanine)entérottoxine A (*Staphylococcus aureus*)  
(227-alanina)enterotoxina A de *Staphylococcus aureus*

**medoxomilum**

(olmesartanum medoxomilum (82)(45))

medoxomil  
médoxomil  
medoxomilo

(5-methyl-2-oxo-1,3-dioxol-4-yl)methyl  
(5-méthyl-2-oxo-1,3-dioxol-4-yl)méthyle  
5-(metil-2-oxo-1,3-dioxol-4-il)metilo

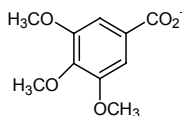
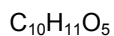


**megallas** (33)

megallate  
mégallate  
megallato

3,4,5-trimethoxybenzoate  
3,4,5-triméthoxybenzoate  
3,4,5-trimetoxibenzoato

BAN  
JAN

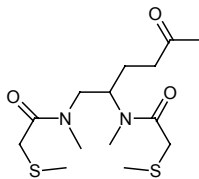
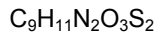


**merpentanum**

(technetium ( $^{99\text{m}}$  Tc) nofetumomabum merpentanum (81)(42))

merpentan  
merpentan  
merpentan

{*N,N'*-[1-(3-oxopropyl)ethane-1,2-diyl]bis(2-sulfanylacetamido)}(4-)  
{*N,N'*-[1-(3-oxopropyl)éthane-1,2-diyl]bis(2-sulfanylacétamido)}(4-)  
{*N,N'*-[1-(3-oxopropil)etano-1,2-diil]bis(2-sulfanilacetamido)}(4-)

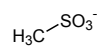
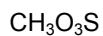


**mesilas** (18)

mesilate  
mésilate  
mesilato

methanesulfonate  
méthanesulfonate  
metanosulfonato

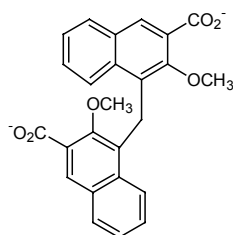
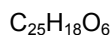
BAN: mesylate  
 JAN  
 USAN:mesylate



**metembonas** (26)

metembonate 4,4'-methylenebis(3-methoxynaphthalene-2-carboxylate)  
 métembonate 4,4'-méthylènebis(3-méthoxynaphtalène-2-carboxylate)  
 metembonato 4,4'-metilenbis(3-metoxinaftaleno-2-carboxilato)

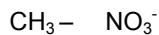
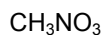
JAN



**methonitras**

(atropini methonitras (04)(03))

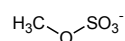
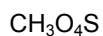
methonitrate *N*-methyl, nitrate (salt)  
 méthonitrate *N*-méthyl, nitrate (sel)  
 metonitrato *N*-metil, nitrato (sal)



**metilsulfas** (18)

metilsulfate methyl sulfate  
 métilsulfate sulfate de méthyle  
 metilsulfato sulfato de metilo

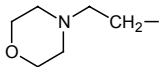
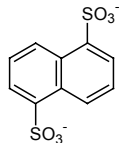
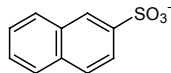
JAN



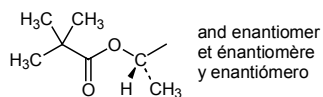
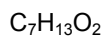
**metiodidum**

(buzepidi metiodidum (14)(06))

metiodide *N*-methyl, iodide (salt)  
 métiodure *N*-méthyl, iodure (sel)  
 metioduro *N*-metilo, ioduro (sal)

		CH <sub>3</sub> I
		CH <sub>3</sub> – I <sup>–</sup>
<b>mofetilum</b>	(65)	
mofetil		2-(morpholin-4-yl)ethyl
mofétil		2-(morpholin-4-yl)éthyle
mofetilo		2-(morfolin-4-il)etilo
		C <sub>6</sub> H <sub>12</sub> NO
JAN		
USAN		
<b>napadisilas</b>	(18)	
napadisilate		naphthalene-1,5-disulfonate
napadisilate		naphtalène-1,5-disulfonate
napadisilato		naftaleno-1,5-disulfonato
		C <sub>10</sub> H <sub>6</sub> O <sub>6</sub> S <sub>2</sub>
BAN: napadisylate		
JAN		
<b>napsilas</b>	(18)	
napsilate		naphthalene-2-sulfonate
napsilate		naphtalène-2-sulfonate
napsilato		naftaleno-2-sulfonato
		C <sub>10</sub> H <sub>7</sub> O <sub>3</sub> S
BAN: napsylate		
JAN		
USAN: napsylate		
<b>octilum</b>	(65)	
octil		octyl
octil		octyle
octilo		octilo

JAN	$C_8H_{17}$	
<b>olaminum</b> (22)		
olamine	2-aminoethanol	
olamine	2-aminoéthanol	
olamina	2-aminoetanol	
JAN	$C_2H_7NO$	
USAN		
<b>oxogluras</b> (22)		
oxoglurate	hydrogen 2-oxopentanedioate	
oxoglurate	2-oxohydrogénépentanedioate	
oxoglurato	2-oxohidrógenopentanedioato	
JAN	$C_5H_5O_5$	
<b>pegolum</b>		
(enlimomab pegol (77)(39))		
pegol	$\alpha$ -(2-carboxyethyl)- $\omega$ -methoxypoly(oxyethane-1,2-diyl)	
pégol	$\alpha$ -(2-carboxyéthyl)- $\omega$ -méthoxypoly(oxyéthane-1,2-diyl)	
pegol	$\alpha$ -(2-carboxietil)- $\omega$ -metoxipoli(oxietano-1,2-diil)	
USAN		
<b>pamoate</b> -> see embonate		
<b>pentexilum</b> (65)		
pentexil	1-hydroxyethyl pivalate (ester)	
pentexil	( <i>RS</i> )-1-[(2,2-diméthylpropanoyl)oxy]éthyle	
pentexilo	( <i>RS</i> )-1-[(2,2-dimetilpropanoil)oxi]etilo	

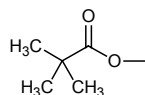


**pivalas** (18)

pivalate 2,2-dimethylpropanoate (ester)  
pivalate 2,2-diméthylpropanoate (ester)  
pivalato 2,2-dimetipranoato (éster)

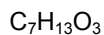


BAN  
JAN  
USAN

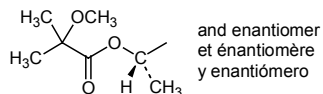


**pivoxetilum** (54)

pivoxetil *rac*-1-[(2-methoxy-2-methylpropanoyl)oxy]ethyl  
pivoxétíl *rac*-1-[(2-méthoxy-2-méthylpropanoyl)oxy]éthyle  
pivoxetilo *rac*-1-[(2-metoxi-2-metilpropanoil)oxi]etil

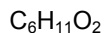


BAN  
JAN  
USAN

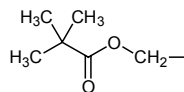


**pivoxil** (44)

pivoxil [(2,2-dimethylpropanoyl)oxy]methyl  
pivoxil [(2,2-diméthylpropanoyl)oxy]méthyle  
pivoxilo [(2,2-dimetilpropanoil)oxi]metil



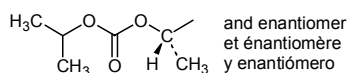
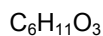
JAN  
USAN



**proxetilum** (58)

proxetil *rac*-1-[(propan-2-yloxy)carbonyl]oxyethyl  
proxétíl *rac*-1-[(propan-2-yloxy)carbonyl]oxyéthyle  
proxetilo *rac*-1-[(propan-2-iloxi)carbonil]oxietil

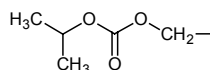
BAN  
JAN  
USAN



**soproxilum** (82)

soproxil  
soproxil  
soproxilo

{[(propan-2-yloxy)carbonyl]oxy}methyl  
{[(propan-2-yloxy)carbonyl]oxy}méthyle  
{[(propan-2-iloxi)carbonil]oxi}metil

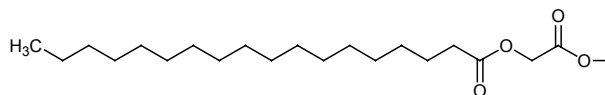
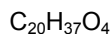


**steaglas** (18)

steaglate  
stéaglate  
esteaglato

2-(octadecanoyloxy)acetate (ester)  
2-(octadécanoyloxy)acétate (ester)  
2-(octadecanoiloxi)acetato (éster)

JAN:steagrate

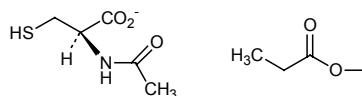
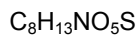


**stinopras**

(erythromycini stinopras (58)(\*))

stinoprate  
stinoprate  
estinoprato

*N*-acetylcysteinat (salt), propanoate (ester)  
*N*-acétylcystéinate (sel), propanoate (ester)  
*N*-acetilcisteinato (sal), propanoato (éster)

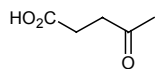


**succinilum**

(norfloxacini succinilum (58)(28))

succinil  
succinil  
succinilo

3-carboxypropanoyl  
3-carboxypropanoyle  
3-carboxipropanoilo

**sudotoxum**

(alvirceptum sudotoxum (69)(34))

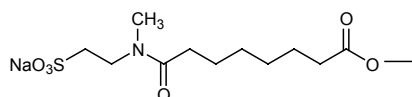
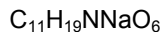
sudotox	248-L-histidine-249-L-methionine-250-L-alanine-251-L-glutamic acid-248-613-exotoxin A ( <i>Pseudomonas aeruginosa</i> reduced)
sudotox	248-L-histidine-249-L-méthionine-250-L-alanine-251-acide L-glutamique-248-613-exotoxine A ( <i>Pseudomonas aeruginosa</i> réduite)
sudotox	248-L-histidina-249-L-methionina-250-L-alanina-251-acido L-glutamico-248-613-exotoxina A ( <i>Pseudomonas aeruginosa</i> reducida)

**suleptanas**

(methylprednisoloni suleptanas (56)(27))

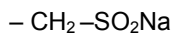
suleptanate	8-[methyl(2-sulfoethyl)amino]-8-oxooctanoate (ester), monosodium salt
suleptanate	8-[méthyl(2-sulfoéthyl)amino]-8-oxooctanoate (ester), sel monosodique
suleptanato	8-[metil(2-sulfoetil)amino]-8-oxooctanoato (éster), sal monosódica

BAN

**sulfoxylas**

(phenarsoni sulfoxylas (01)(\*))

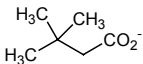
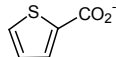
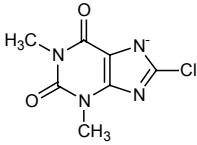
sulfoxylate	sulfinomethyl, monosodium salt
sulfoxylate	sulfinométhyle, sel monosodique
sulfoxilato	sulfinometil, sal monosódica

**tafenatoxum**

(nacolomabum tafenatoxum (80)(41))

tafenatox	enterotoxin A ( <i>Staphylococcus aureus</i> )
tafénatox	entérottoxine A ( <i>Staphylococcus aureus</i> )
tafenatox	enterotoxina A ( <i>Staphylococcus aureus</i> )

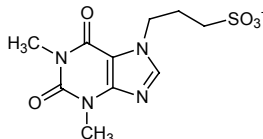


<b>tebutas</b>	(22)	
tebutate		3,3-dimethylbutanoate
tébutate		3,3-diméthylbutanoate
tebutato		3,3-dimetilbutanoato
		$C_6H_{11}O_2$
	JAN USAN	
<b>tenoas</b>	(52)	
tenoate		thiophene-2-carboxylate
ténoate		thiophène-2-carboxylate
tenoato		tiofeno-2-carboxilato
		$C_5H_3O_2S$
	JAN	
<b>teoclas</b>	(18)	
teoclata		8-chloro-1,3-dimethyl-2,6-dioxo-3,6-dihydro-1 <i>H</i> -purin-7-(2 <i>H</i> )-ide
téoclata		8-chloro-1,3-diméthyl-2,6-dioxo-3,6-dihydro-1 <i>H</i> -purin-7-(2 <i>H</i> )-ure
teoclato		8-cloro-1,3-dimetil-2,6-dioxo-3,6-dihidro-1 <i>H</i> -purin-7-(2 <i>H</i> )-uro
		$C_7H_6ClN_4O_2$
	BAN:theoclata JAN	
<b>teprosilas</b>	(29)	
teprosilate		3-(1,3-dimethyl-2,6-dioxo-3,6-dihydro-1 <i>H</i> -purin-7-(2 <i>H</i> )-yl)propane-1-sulfonate
téprosilate		3-(1,3-diméthyl-2,6-dioxo-3,6-dihydro-1 <i>H</i> -purin-7-(2 <i>H</i> )-yl)propane-1-sulfonate

teprosilato 3-(1,3-dimetil-2,6-dioxo-3,6-dihidro-1*H*-purin-7-(2*H*)-il)propane-1-sulfonato

JAN

$C_{10}H_{13}N_4O_5S$

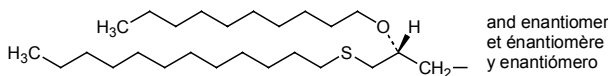


### tidoxilum

(fozividinum tidoxilum (73)(36))

tidoxil *rac*-2-(decyloxy)-3-(dodecylsulfanyl)propyl  
 tidoxil *rac*-2-(décyloxy)-3-(dodécylsulfanyl)propyle  
 tidoxilo *rac*-2-(deciloxi)-3-(dodecilsulfanil)propil

$C_{25}H_{51}OS$

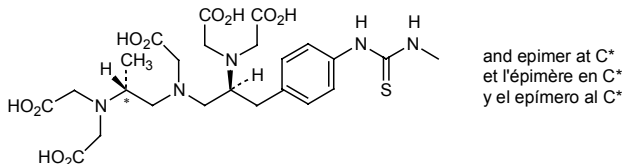


### tiuxetanum

(ibritumomabum tiuxetanum (81)(43))

tiuxetan 3-[4-((2*S*)-{2-[bis(carboxymethyl)amino]-3-[(2*RS*)-{2-[bis(carboxymethyl)amino]propyl}(carboxymethyl)amino]propyl})phenyl]thioureido  
 tiuxétan *N*-[[4-[(2*S*)-2-[bis(carboxyméthyl)amino]-3-[[[(2*RS*)-2-[bis(carboxyméthyl)amino]propyl](carboxyméthyl)amino]propyl]=phényl]thiocarbamoyl]  
 tiuxetán *N*-[[4-[(2*S*)-2-[bis(carboximetil)amino]-3-[[[(2*RS*)-2-[bis(carboximetil)amino]propil](carboximetil)amino]propil]fenil]tiocarbamoil]

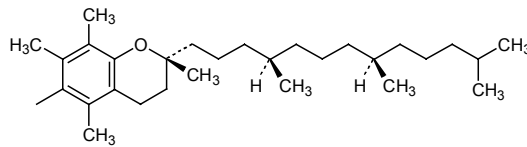
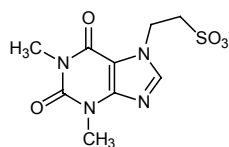
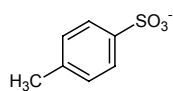
$C_{23}H_{32}N_5O_{10}S$

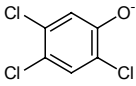
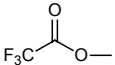
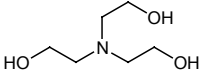
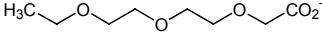


### tocoferilum

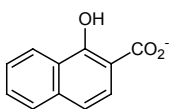
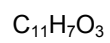
(tretinoinum tocoferilum (66)(32))

tocoferil *rac*-(2*R*)-2,5,7,8-tetramethyl-2-[(4*R*,8*R*)-4,8,12-trimethyltridecyl]chroman-6-yl  
 tocoféril *rac*-(2*R*)-2,5,7,8-tetraméthyl-2-[(4*R*,8*R*)-4,8,12-

tocoferilo	triméthyltridécy]chroman-6-yl <i>rac</i> -(2 <i>R</i> )-2,5,7,8-tetrametil-2-[(4 <i>R</i> ,8 <i>R</i> )-4,8,12-trimetiltridécy]croman-6-ilo
	C <sub>29</sub> H <sub>49</sub> O
	 and enantiomer et énantiomère y enantiómero
<b>tofesilas</b>	(27)
tofesilate	2-(1,3-dimethyl-2,6-dioxo-3,6-dihydro-1 <i>H</i> -purin-7-(2 <i>H</i> )-yl)ethane-1-sulfonate
tofésilate	2-(1,3-diméthyl-2,6-dioxo-3,6-dihydro-1 <i>H</i> -purin-7-(2 <i>H</i> )-yl)éthane-1-sulfonate
tofesilato	2-(1,3-dimetil-2,6-dioxo-3,6-dihidro-1 <i>H</i> -purin-7-(2 <i>H</i> )-il)etano-1-sulfonato
	C <sub>9</sub> H <sub>11</sub> N <sub>4</sub> O <sub>5</sub> S
	JAN
	
<b>tosilas</b>	(18)
tosilate	4-methylbenzene-1-sulfonate
tosilate	4-méthylbenzène-1-sulfonate
tosilato	4-metilbenceno-1-sulfonato
	C <sub>7</sub> H <sub>7</sub> O <sub>3</sub> S
	BAN:tosylate
	JAN
	USAN:tosylate
	
<b>triclofenas</b>	(18)
triclofenate	2,4,5-trichlorophenolate
triclofénate	2,4,5-trichlorophénolate
triclofenato	2,4,5-triclorofenolato

	JAN	$C_6H_2Cl_3O$	
<b>triflutas</b>	(64)		
triflutate		trifluoroacetate	
triflutate		trifluoroacétate	
triflutato		trifluoroacetato	
	JAN USAN	$C_2F_3O_2$	
<b>trolaminum</b>	(22)		
trolamine		2,2',2''-nitrilotriethanol	
trolamine		2,2',2''-nitrilotriéthanol	
trolamina		2,2',2''-nitrilotrietanol	
	JAN USAN	$C_6H_{15}NO_3$	
<b>troxundas</b>	(46)		
troxundate		[2-(2-ethoxyethoxy)ethoxy]acetate	
troxundate		[2-(2-éthoxyéthoxy)éthoxy]acétate	
troxundato		[2-(2-etoxietoxi)etoxi]acetato	
	BAN JAN	$C_8H_{15}O_5$	
<b>xinafoas</b>	(63)		
xinafoate		1-hydroxynaphthalene-2-carboxylate	
xinafoate		1-hydroxynaphtalène-2-carboxylate	
xinafoato		1-hidroxinaftaleno-2-carboxilato	

BAN  
JAN  
USAN



\* \* \* \* \*

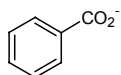
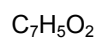
**ANNEX**

The following groups and elements have also been published together with INNs:

**benzoas**

benzoate  
benzoate  
benzoato

benzoate  
benzèncarboxylate  
benzoato

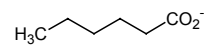
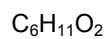
**bromidum**

bromide  
bromure  
bromuro

**caproas**

caproate  
caproate  
caproato

hexanoate  
hexanoate  
hexanoato

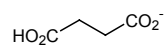
**chloridum**

chloride  
chlorure  
cloruro

**hemissuccinas**

hemisuccinate  
hémisuccinate  
hemisuccinato

hydrogen butanedioate  
hydrogénobutanedioate  
hidrógenobutanodioato



### iodidum

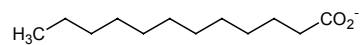
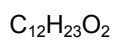
iodide  
iodure  
ioduro



### lauras

laurate  
laurate  
laurato

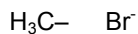
dodecanoate  
dodécanoate  
dodecanoato



### methylbromidum

methylbromide  
méthylbromure  
metilbromuro

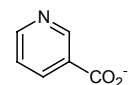
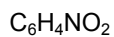
*N*-methyl, bromide (salt)  
*N*-méthyl, bromure (sel)  
*N*-metil, bromuro (sal)



### nicotinas

nicotinate  
nicotinate  
nicotinato

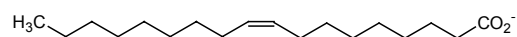
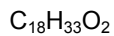
pyridine-3-carboxylate  
pyridine-3-carboxylate  
piridina-3-carboxilato



### oleas

oleate  
oléate  
oleato

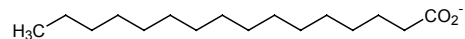
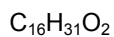
(9*E*)-octadec-9-enoate  
(9*E*)-octadéc-9-énoate  
(9*E*)-octadec-9-enoato



### palmitas

palmitate  
palmitate  
palmitato

hexadecanoate  
hexadécanoate  
hexadecanoato



### perchloras

perchlorate  
perchlorate  
perclorato



### potassio(kalii)

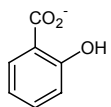
potassium  
potassium  
(de) potasio



### salicylas

salicylate  
salicylate  
salicilato

2-hydroxybenzoate  
2-hydroxybenzoate  
2-hidroxibenzoato

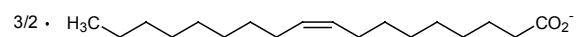
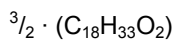


### sesquioleas



sesquioleate  
 sesquioléate  
 sesquioleato

(9*E*)-octadec-9-enoate(1.5)  
 (9*E*)-octadéc-9-énoate(1,5)  
 (9*E*)-octadec-9-enoato(1.5)



### sodio(natrii)

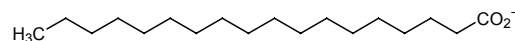
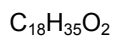
sodium  
 sodium  
 (de) sodio



### stearas

stearate  
 stéarate  
 estearato

octadecanoate  
 octadécanoate  
 octadecanoato



### sulfas

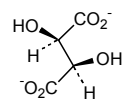
sulfate  
 sulfate  
 sulfato



### tartras

tartrate  
 tartrate  
 tartrato

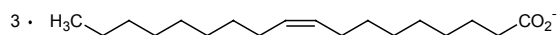
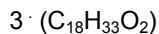
(2*R*,3*R*)-2,3-dihydroxybutanedioate  
 (2*R*,3*R*)-2,3-dihydroxybutanedioate  
 (2*R*,3*R*)-2,3-dihidroxibutanodioato



### trioleas

trioleate  
trioleáate  
trioleato

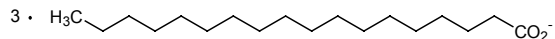
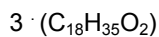
(9*E*)-octadec-9-enoate(3) or tris[(9*E*)-octadec-9-enoate]  
(9*E*)-octadéc-9-énoate(3) ou tris[(9*E*)-octadéc-9-énoate]  
(9*E*)-octadec-9-enoato(3) o tris[(9*E*)-octadec-9-enoato]



### tristearas

tristearate  
tristéarate  
triéstearato

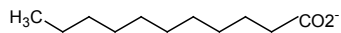
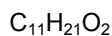
octadecanoate(3) or tris(octadecanoate)  
octadécanoate(3) ou tris(octadécanoate)  
octadecanoato(3) o tris(octadecanoato)



### undecylas

undecylate  
undécylate  
undecilato

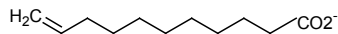
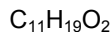
undecanoate  
undécanoate  
undecanoato



### undecylenas

undecylenate  
undécylénate  
undecilenato

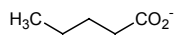
undec-10-enoate  
undéc-10-énoate  
undec-10-enoato



### valeras

valerate  
valérate  
valerato

pentanoate  
pentanoate  
pentanoato



\* \* \* \* \*

### **WHY INNs?**

Since the number of drug substances being registered during the last decades is constantly increasing, there is a strong need to ensure the identification of each pharmaceutical compound by a unique, universally available and accepted name. The existence of an international nomenclature system for pharmaceutical products is crucial for the clear identification, safe prescription and dispensing of medicines to patients, and for communication and exchange of information among health professionals and scientists worldwide.

An **International Nonproprietary Name (INN)** identifies a pharmaceutical substance by a **unique name that is globally recognized and is public property**. A nonproprietary name is also known as a generic name. Generic names are intended to be used in pharmacopoeias, labeling, advertising, drug regulation and scientific literature.