



SCIENTIFIC SUB-COMMITTEE

42.193 E

-
14th Session

O. Eng.

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SC-3

Brussels, 12 January 1999 .

CLASSIFICATION OF CERTAIN INN PRODUCTS AND
PHARMACEUTICAL INTERMEDIATES

(Item II.3 on Agenda)

Reference documents :

- 41.665 (SSC/13)
- 41.690, Annexes A/5 and D (Report – SSC/13)
- 42.100, Annexes E/1 and O (Report – HSC/21)
- 42.483 (HSC/22)
- 42.750, Annexes H/18 and O (Report – HSC/22)

1. The Sub-Committee has been examining the classification of INN products and pharmaceutical intermediates for the purposes of the WTO Agreement on Trade in Pharmaceuticals. This document deals with the classification of certain pending cases and that of new products proposed to be included in the WTO Agreement.

I. INN LIST 78

2. In February 1998, the Secretariat received from the WHO a new INN list (List 78), which contains 69 products. Since the 14th Session of the Scientific Sub-Committee was not to be held until February 1999 and it was necessary to determine their HS classification as soon as possible, the Secretariat had examined the possible classifications and forwarded its suggestions to delegates of the Scientific Sub-Committee for their comments. There was consensus among the delegates of the Scientific Sub-Committee on the proposed classifications of 51 INN products. The Secretariat submitted these classifications to the 22nd Session of the Harmonized System Committee after taking the approval of the Chairman of the Scientific Sub-Committee. Consequently, the classifications of those 51 INN products were adopted by the Committee (see Doc. 42.483 and Annexes H/18 and O, Doc. 42.750).
3. The Sub-Committee is invited to discuss the classification of the remaining 18 INN products of List 78 for which different classifications were proposed by delegates. They are
File No. 2549

set out in Annex I to this document. The proposed classifications are placed in square brackets along with the comments from administrations. The chemical structures of the products concerned would be made available for reference by delegates during the meeting.

II. NEW INN LIST 79

- On 11 August 1998, the Secretariat also received from the WHO the latest INN list 79, which contains 30 products. The list is reproduced in Annex II to this document together with Secretariat's proposal concerning the classification of these products. In respect of certain products, the Secretariat has proposed more than one classification (placed in square brackets) in the absence of sufficient information. The Sub-Committee is invited to examine the classification of products covered by INN list 79. The chemical structures of these products concerned would also be made available for reference by delegates during the meeting.

III. PENDING CLASSIFICATIONS

- The Sub-Committee, at its 13th Session, postponed the classification of five INNs (see Annex D to Doc. 41.690) for lack of adequate technical information concerning these products. During the intersession, the Secretariat obtained some additional information from the WHO on four products. The details of the products, along with the information obtained from the WHO, are given in Annex III to this document. The Secretariat has been able to propose definite classification only in three cases. For the rest, more information is needed. Delegates are requested to provide any information available to the Sub-Committee.

IV. NEW PHARMACEUTICAL INTERMEDIATES

- In November 1998, the Secretariat received from the EC a list of additional pharmaceutical intermediates proposed to be included in the WTO Agreement. This list contains 367 substances. The list is reproduced in Annex IV to this document together with the HS codes proposed by the EC (available only in English). The chemical structures of products concerned would be made available for reference by delegates during the meeting.
- The Secretariat agrees with the classification of pharmaceutical intermediates proposed by the EC, except for four products. There are; (i) SC-59735 (ID. 253), (ii) SC-70935 (ID. 256), (iii) 8-chloro-11-(4-piperidylidene)-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridine (ID. 306) and (iv) (4R,5S,6S,7R)-1,3-bis(3-aminobenzyl)-4,7-dibenzyl-5,6-dihydroxyhexahydro-2H-1,3-diazepin-2-one dimethanesulfonate (ID. 664). The Secretariat's comments concerning the classification of these products are set out below.

SC-59735 (ID. 253) and SC-70935 (ID. 256)

- The chemical names and structures of SC-59735 and SC-70935 were not provided by the EC. The Secretariat was not in a position to get any information concerning these products from technical literature. The EC is requested to provide the chemical (IUPAC) names and structures of these products for consideration by the Sub-Committee.

8-chloro-11-(4-piperidylidene)-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridine (ID. 306)

9. This product contains an unfused piperidine ring and, therefore, should be classified in subheading 2933.39.

(4R,5S,6S,7R)-1,3-bis(3-aminobenzyl)-4,7-dibenzyl-5,6-dihydroxyhexahydro-2H-1,3-diazepin-2-one dimethanesulfonate (ID.664)

10. This product is a heterocyclic compound with nitrogen hetero atoms only and, therefore, should be classified in subheading 2933.90.

V. CONCLUSIONS

11. Taking into account the Secretariat's comments above, the Sub-Committee is invited to :
- (i) examine the classification of 18 products of INN List 78 at Annex I;
 - (ii) examine the classification of 30 products of INN List 79 at Annex II ;
 - (iii) re-examine the classification of five INN products listed at Annex III; and
 - (iv) examine the classification of 367 pharmaceutical intermediates listed at Annex IV.

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PENDING ITEMS OF INN LIST 78

<u>INN</u>	<u>Proposed HS code</u>	<u>Remarks</u>
abarelix	[2933.39] [2937.99]	2933.39 (It is currently not to be classified as hormone) (Canada) (US)
aviptadil	[2933.29] [2937.99]	2933.39 (It is currently not to be classified as hormone) (Canada) (EC)
carafiban	[2933.21] [2933.29]	2933.29 (It is not a derivative of hydantoin) (Canada) (EC)
denileukin diftitox	[3002.10] [3002.90] [3504.00]	3002.90/3504.00 (EC)
dutasteride	[2937.99] [3507.90] [2933.79]	2933.79 (It is currently not to be classified as hormone) (US) (Canada) (Switzerland) (EC) 2937.99 (Ukraine) (Russia)
fulvestrant	[2930.90] [2937.99]	2930.90 (It is currently not to be classified as hormone) (Canada) (US) (EC) 2937.99 (Ukraine) (Russia)
ipamorelin	[2933.29] [2937.99]	2933.29 (It is currently not to be classified as hormone) (Canada) 2937.99 (Viet.) (Russia) (EC)
mespiperone (¹¹ C)	[2844.40] [2933.39]	(Unlikely to be isotope) (Canada)
pamiteplase	[3001.90] [3002.10] [3507.90]	3001.90 (Viet.) 3002.10 (EC) 3507.90 (Canada) (Russia) (EC)
paricalcitol	[2906.19] [2936.29]	2906.19 (It is not a derivative of vitamin D) (Canada) (EC)
pexiganan	[2924.29] [2937.99] [2941.90]	2924.29 (It is currently not to be classified as hormone) (US) (Canada) (EC) 2941.90 (It has anti-bacterial effect) (Viet.)
rapacuronium bromide	[2933.39] [2937.99]	2933.39 (It is currently not to be classified as hormone) (US) (Canada) (EC)
rifalazil	[2934.90] [2941.90]	2941.90 (Derivative of an antibiotic) (US) (Viet.) (Ukraine) (Russia) 2934.90 (Canada) (EC)
seocalcitol	[2906.19] [2936.29]	2906.19 (It is an analogue of a vitamin, not a vitamin) (Canada) (EC)
sinapultide	[2924.10] [2924.29] [2937.99] [3402.13]	2924.10 (Canada) (Switzerland) (EC) 2937.99 (Pulmonary surfactant peptide) (Viet.) 2924.29 (Polypeptide with carboxamide links) (Ukraine) 3402.13 (Russia)
thyrotropin alfa	[2934.90] [2937.10] [2937.99] [3002.10] [3003.39]	2934.90 (It is currently not to be classified as hormone) (Canada) 3003.39 (Mixture of two peptide) (Viet.) 2937.10 (EC) 2937.99 (Ukraine) (Russia)
tremacamra	[3002.10]	3504.00 (Canada) (EC)

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	[3504.00]	
ziconotide	[2934.90] [2937.99]	2934.90 (It is currently not to be classified as hormone) (US) (Canada) (EC) 2937.99 (Peptide with analgesic effect) (Viet.)

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INN LIST 79

<u>INN</u>	<u>Proposed HS code</u>	<u>Remarks</u>
Alvameline	2933.39	
Amediplase	[3002.10] [3507.90]	Need for more information as to whether it is an enzyme
Amprenavir	2935.00	
Anatumomab mafenatox	3002.10	
Ancestim	3002.10	
Ascorbyl gamolenate	[2932.29] [2936.27]	Need for more information as to whether it is a derivative of Vit. C primarily used as Vits.
Calcobutrol	2933.90	
Defoslimod	[2932.99] [2938.90]	Need for more information as to whether it is a derivative of glycoside
Dextiopronin	2930.90	
Edodekin alfa	3002.10	
Eniporide	2933.90	
Esomeprazole	2933.39	
Esonarimod	2930.90	
Fondaparin sodium	[2932.90] [2938.90]	Need for more information as to whether it is a derivative of glycoside
Iturelix	2933.39	
Midafotel	2933.59	
Midaxifylline	2933.59	
Midostaurin	2934.90	
Morolimumab	3002.10	
Natalizumab	3002.10	
Olamufloxacin	2933.40	
Palivizumab	3002.10	
Piboserod	2934.90	
Repinotan	2935.00	
Sardomozide	[2925.20] [2927.00]	Need for more information as to whether it is an azo-compound
Stannosporfin	[2933.90] [2939.90]	Need for more information as to whether it is a derivative of porphine
Tegaserod	2933.90	
Tenecteplase	3002.10	
Trecetilide	2935.00	
Valrubicin	2932.99	

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INN PRODUCTS WHOSE CLASSIFICATION WAS
POSTPONED AT THE PREVIOUS SESSION

INN	New information from the WHO	HS code	Secretariat's comments
Macrogol ester	Monoester derived from a polyethylene glycol and a fatty acid. Each macrogol ester name is followed by a number corresponding approximately to the average molecular weight of the polyethylene glycol portion. e.g. macrogol laurate 600, macrogol oleate 600, macrogol stearate 400, 600, 1000 and 2000; used as pharmaceutical aid, emulsifying agent	[3402.13] [3404.20] [3907.20]	Need for more information as to whether each products meet the criteria as organic active agents (Note 3 to Chapter 34) or as polymers (Note 3 (c) to Chapter 39). The Secretariat is trying to get samples from the manufacturer for testing
Epoetin epsilon	Antianaemic. (<u>Source</u> : Society of the Japanese Pharmacopoeia)	3002.10	Given that epoetine omega (which is an isomer of epoetin epsilon) having antianaemic function was classified in subheading 3002.10 as a modified immunological product (see Annex A/1 to Doc.40.460 – Report SSC/11). The Secretariat considers that epoetine epsilon could also be classified in the same subheading
Zinostatin stimalamer	Substance produced by combining styrene-alt-maleic acid copolymer that is partially butyl esterized with zinostatin (neocarcinostatin); antineoplastic (<u>source</u> : Society of the Japanese Pharmacopoeia)	3003.20	It could be regarded as consisting of two constituents
Lanoteplase	Enzyme; thrombolytic (tissue-type-plasminogen activator) (<u>source</u> : USAN Council)	3507.90	It could be regarded as an enzyme
Tasonermin		[29.33]	Need more information regarding details of its heterocyclic systems for subheading level classification

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PHARMACEUTICAL INTERMEDIATES PROPOSED FOR DUTY ELIMINATION

FINAL LIST

ID	IUPAC	CAS RN	HS code *
1	(S)-but-3-yn-2-ol	2914-69-4	2905 29
2	2-(4-fluorobenzyl)thiophene	63877-96-3	2934 90
6	5-amino-N,N'-bis[2-acetoxy-1-(acetoxymethyl)ethyl]-2,4,6-triiodoisophthalamide	148051-08-5	2924 29
7	5-amino-N,N'-bis(2,3-dihydroxypropyl)-2,4,6-triiodoisophthalamide	76801-93-9	2924 29
8	(S)-alpha-chloroformylethyl acetate	36394-75-9	2918 19
9	diethyl dipropylmalonate	6065-63-0	2917 19
10	5-methyl-N-[4-(sulfamoyl)phenethyl]pyrazine-2-carboxamide	33288-71-0	2935 00
12	(5aR,11bS)-9,10-dimethoxy-2-propyl-4,5,5a,6,7,11b-hexahydrobenzo[f]thieno[2,3-c]quinoline hydrochloride	178357-37-4	2934 90
17	methyl N-(phenoxy-carbonyl)-L-valinate	153441-77-1	2924 29
26	(+)-6-fluoro-1-methyl-4-oxo-7-(piperazin-1-yl)-4H-[1,3]thiazeto-[3,2-a]quinoline-3-carboxylic acid	112984-60-8	2934 90
27	methyl 3-amino-4,6-dibromo-o-toluate	119916-05-1	2922 49
28	4,6-dibromo-3-fluoro-o-toluic acid	119916-27-7	2916 39
29	7-bromo-1-cyclopropyl-6-fluoro-5-methyl-4-oxo-1,4-dihydroquinoline-3-carboxylic acid	119916-34-6	2933 40
37	2-mercapto-5-(trifluoromethyl)anilinium chloride	4274-38-8	2930 90
42	2-(3-bromophenoxy)tetrahydropyran	57999-49-2	2932 99
43	6-chloro-5-(2-chloroethyl)indol-2(3H)-one	118289-55-7	2933 79
45	6-chloroindol-2(3H)-one	56341-37-8	2933 79
54	6-methoxy-1,2,3,4-tetrahydro-1-naphthone	1078-19-9	2914 50
56	N-[N-(tert-butoxycarbonyl)-L-alanyl]-L-alanine hydrate	90303-36-9	2924 10
57	2,2'-dithiodibenzonitrile	33174-74-2	2930 90
58	2-ethoxy-5-[(4-methylpiperazin-1-yl)sulfonyl]benzoic acid	194602-23-8	2935 00
65	1-methyl-4-nitro-3-propylpyrazole-5-carboxamide	139756-01-7	2933 19
76	(S)-2-(4-fluorophenyl)-3-methylbutyric acid	55332-37-1	2916 39
77	[3-(benzimidazol-2-yl)propyl]methylamine	64137-52-6	2933 90
78	7-chloro-5-(2-fluorophenyl)-1H-1,4-benzodiazepin-2(3H)-one	2886-65-9	2933 90
79	2-bromo-4'-chloro-2'-(2-fluorobenzoyl)acetanilide	1584-62-9	2924 29
81	2'-benzoyl-2-bromo-4'-chloroacetanilide	41526-21-0	2924 29
82	(RS)-serinohydrazide hydrochloride	55819-71-1	2928 00
83	2,3,4-trihydroxybenzaldehyde	2144-08-3	2912 49
84	dimethyl chloromalonate	28868-76-0	2917 19
85	4,6-dichloro-5-(2-methoxyphenoxy)-2,2'-bipyrimidinyl	150728-13-5	2933 59
86	4-tert-butylbenzenesulfonamide	6292-59-7	2935 00
87	methyl 3-[(methoxycarbonylmethyl)sulfamoyl]thiophene-2-carboxylate	106820-63-7	2935 00
88	methyl 4-hydroxy-2-methyl-2H-thieno[2,3-e][1,2]thiazine-3-carboxylate 1,1-dioxide	59804-25-0	2934 90
90	tert-butyl (1S,9S)-6,10-dioxo-9-phthalimidooctahydropyridazo[1,2-a][1,2]diazepine-1-	106928-72-7	2933 90

ID	IUPAC	CAS RN	HS code *
	carboxylate		
91	ethyl (R)-2-hydroxy-4-phenylbutyrate	90315-82-5	2918 19
92	1-benzyl hydrogen (S)-4-phthalimidoglutarate	88784-33-2	2925 19
93	(S)-1-(benzyloxycarbonyl)hexahydropyridazine-3-carboxylic acid	65632-62-4	2933 90
94	methyl {(1S,2R)-1-benzyl-3-[(3S,4aS,8aS)-3-(tert-butylcarbamoyl)decahydro-2-isoquinolyl]-2-hydroxypropyl}carbamate	178680-13-2	2933 40
95	(3S,4aS,8aS)-2-[(2R,3S)-3-amino-2-hydroxy-4-phenylbutyl]-N-tert-butyldecahydroisoquinoline-3-carboxamide	136522-17-3	2933 40
98	4-[(S)-3-amino-2-oxopyrrolidin-1-yl]benzotrile hydrochloride	175873-08-2	2933 79
100	ethyl 3-(3-[(S)-1-[4-(N ² -hydroxyamidino)phenyl]-2-oxopyrrolidin-3-yl]ureido)propionate	175873-10-6	2933 79
101	4-[5-(p-tolyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]benzenesulfonamide	169590-42-5	2935 00
102	4-hydrazonobenzenesulfonamide hydrochloride	17852-52-7	2935 00
106	4'-amidinosuccinanic acid hydrochloride	149177-92-4	2925 20
107	ethyl (S)-3-aminopent-4-ynoate hydrochloride	154772-45-9	2922 49
109	11-alpha-hydroxy-7-alpha-(methoxycarbonyl)-3-oxopregn-4-ene-21,17-alpha-carbolactone	192704-56-6	2932 29
111	11-alpha-hydroxy-3-oxopregna-4,6-diene-21,17-alpha-carbolactone	73726-56-4	2932 29
112	4-(5-methyl-3-phenylisoxazol-4-yl)benzenesulfonamide	181695-72-7	2935 00
113	5-methyl-3,4-diphenyl-4,5-dihydroisoxazol-5-ol	181696-73-1	2934 90
114	N-[4-(5-methyl-3-phenylisoxazol-4-yl)phenylsulfonyl]propionamide, sodium salt	198470-85-8	2935 00
115	pivaloyloxymethyl 7-[(Z)-2-[2-(tert-butoxycarbonylamino)thiazol-4-yl]pent-2-enamido]-3-(carbamoyloxymethyl)-3-cephem-4-carboxylate	105889-80-3	2934 10
116	benzhydryl 6-(4-methylbenzamido)penicillanate 4-oxide	77887-68-4	2934 90
117	benzhydryl 7-[(Z)-2-[2-(tert-butoxycarbonylamino)thiazol-4-yl]-4-(3-methylbut-2-enyloxycarbonyl)but-2-enamido]-3-cephem-4-carboxylate	174761-17-2	2934 10
119	N-(2-quinolylcarbonyl)-L-asparagine	136465-98-0	2933 40
122	methyl N-(methoxycarbonyl)-L-phenylalaninate	41844-71-7	2924 29
127	N-[(2,6-diisopropylphenoxy)sulfonyl]-2-(2,4,6-triisopropylphenyl)acetamide	166518-60-1	2924 29
128	(2S,3S)-3-methyl-2-(3-oxo-2,3-dihydro-1,2-benzisothiazol-2-yl)valeric acid	177785-47-6	2934 20
130	(1S,4R)-1-azabicyclo[2.2.1]heptan-3-one O-[(Z)-(3-methoxyphenyl)ethynyl]oxime--maleic acid (1:1)	180050-34-4	2933 39
131	N-[(R)-9-methyl-4-oxo-1-phenyl-3,4,6,7-tetrahydro[1,4]diazepino[6,7,1-hi]indol-3-yl]isonicotinamide	179024-48-7	2933 39
133	4-acetamido-2'-aminobenzanilide	112522-64-2	2924 29
134	N,N'-bis[3-(ethylamino)propyl]propane-1,3-diamine tetrahydrochloride	156886-85-0	2921 29
140	ethyl 5-(but-3-enyl)thiophene-2-carboxylate	208337-82-0	2934 90
141	ethyl 5-[(3R)-3,4-dihydroxybutyl]thiophene-2-carboxylate	208337-83-1	2934 90
142	ethyl 5-[(3R)-4-amino-3-hydroxybutyl]thiophene-2-	208337-84-2	2934 90

IV/2.

* Proposed by the EC

ID	IUPAC	CAS RN	HS code *
	carboxylate		
143	ethyl 5-[(3R)-4-(tert-butoxycarbonylamino)-3-hydroxybutyl]thiophene-2-carboxylate	186521-38-0	2934 90
144	ethyl 5-[(3R)-4-(tert-butoxycarbonylamino)-3-(mesyloxy)butyl]thiophene-2-carboxylate	186521-39-1	2934 90
145	ethyl 5-[(3S)-3-(acetylthio)-4-(tert-butoxycarbonylamino)butyl]thiophene-2-carboxylate	186521-40-4	2934 90
146	dimethyl 2-[(S)-1-(tert-butoxycarbonylaminomethyl)-2-(5-ethoxycarbonyl-2-thienyl)propylthio]malonate	186521-41-5	2934 90
147	methyl (S)-6-[2-[5-ethoxycarbonyl]-2-thienyl]ethyl]-3-oxo-1,4-thiazinane-2-carboxylate	186521-42-6	2934 90
148	ethyl (6S)-5-[2-(2-amino-4-oxo-4,6,7,8-tetrahydro-3H-pyrimido[5,4-b][1,4]thiazin-6-yl)ethyl]thiophene-2-carboxylate	186521-44-8	2934 90
149	(6S)-5-[2-(2-amino-4-oxo-4,6,7,8-tetrahydro-3H-pyrimido[5,4-b][1,4]thiazin-6-yl)ethyl]thiophene-2-carboxylic acid	186521-45-9	2934 90
150	diethyl N-{5-[2-((6S)-2-amino-4-oxo-4,6,7,8-tetrahydro-3H-pyrimido[5,4-b][1,4]thiazin-6-yl)ethyl]-2-thenoyl}-L-glutamate	177575-19-8	2934 90
151	4-chloropyridine hydrochloride	7379-35-3	2933 39
152	4-phenoxy pyridine	4783-86-2	2933 39
153	4-(4-pyridyloxy)benzenesulfonic acid	192329-80-9	2933 39
154	4-(4-pyridyloxy)benzenesulfonyl chloride hydrochloride	192330-49-7	2933 39
156	(3S)-2,2-dimethyl-1,4-thiazinane-3-carboxylic acid	84915-43-5	2934 90
157	(3S)-2,2-dimethyl-4-[4-(4-pyridyloxy)phenylsulfonyl]-1,4-thiazinane-3-carboxylic acid	192329-83-2	2935 00
158	2-amino-5-bromo-6-methylquinazolin-4(1H)-one	147149-89-1	2933 59
160	3-acetoxy-o-toluic acid	168899-58-9	2918 29
162	(4R,5R)-4,5-bis(mesyloxymethyl)-1,3,2-dioxathiolane 2,2-dioxide	208338-09-4	2920 90
163	(2R,3R)-1,4-bis(mesyloxy)butane-2,3-diol	1947-62-2	2905 49
165	3,7,11-trimethyldodeca-1,6,10-trien-3-ol	7212-44-4	2905 22
166	(6E,10E,14E)-3,7,11,15-tetramethylhexadeca-1,6,10,14-tetraen-3-ol	1113-21-9	2905 22
167	methyl 4-amino-5-nitro-o-anisate	59338-84-0	2922 50
168	methyl 5-(ethylsulfonyl)-o-anisate	62140-67-4	2930 90
169	methyl 5-sulfamoyl-o-anisate	33045-52-2	2935 00
170	3-methoxy-5-sulfamoyl-o-anisic acid	66644-80-2	2935 00
171	1-benzylpiperidine-4-carbaldehyde	22065-85-6	2933 39
172	{{(E)-3-[(6R,7R)-7-amino-2-carboxylato-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]allyl}(carbamoylethyl)(ethyl)methylammonium	160115-08-2	2934 90
173	[4-(3-methoxypropoxy)-3-methyl-2-pyridyl]methanol	118175-10-3	2933 39
174	(Z)-2-(5-amino-1,2,4-thiadiazol-3-yl)-2-[(fluoromethoxy)imino]acetic acid	116833-10-4	2934 90
175	2-(ethylmethylamino)acetamide	116833-20-6	2924 10
176	4-chloro-2-[(Z)-(methoxycarbonyl)methoxyimino]-3-oxobutyric acid	84080-70-6	2928 00

ID	IUPAC	CAS RN	HS code *
177	2-(5-ethyl-2-pyridyl)ethanol	5223-06-3	2933 39
179	2-(4-aminophenoxymethyl)-2,5,7,8-tetramethyl-4-oxochroman-6-yl acetate	107188-37-4	2932 99
180	chloromethyl pivalate	18997-19-8	2915 90
187	7-ethyl-3-[2-(trimethylsilyloxy)ethyl]indole	185453-89-8	2933 90
191	5-amino-2,4,6-triiodoisophthalic acid	35453-19-1	2922 49
192	4-hydroxyindole	2380-94-1	2933 90
193	thiazolidine-2,4-dione	2295-31-0	2934 10
194	2-bromo-3-methylthiophene	14282-76-9	2934 90
195	5-methyluracil	65-71-4	2933 59
196	thymidine	50-89-5	2934 90
197	3-methyl-4-(2,2,2-trifluoroethoxy)-2-pyridylmethanol	103577-66-8	2933 39
198	3-(cyanoimino)-3-piperidinopropionitrile	56488-00-7	2933 39
199	N-acetyl-3-(3,4-dimethoxyphenyl)-DL-alanine	27313-65-1	2924 29
200	2,5,7,8-tetramethyl-2-(4-nitrophenoxymethyl)-4-oxochroman-6-yl acetate	107188-34-1	2932 99
203	methyl 4-(bromomethyl)-m-anisate	70264-94-7	2918 90
204	9-bromononyl 4,4,5,5,5-pentafluoropentyl sulfide	148757-89-5	2930 90
205	2-(phenylthio)aniline	1134-94-7	2930 90
207	4,4,5,5,5-pentafluoropentan-1-ol	148043-73-6	2905 50
209	methyl (S)-2-amino-4-(1H-tetrazol-5-yl)butyrate	127105-49-1	2933 90
210	(3-chloro-4-fluorophenyl)[7-methoxy-6-(3-morpholinopropoxy)quinazolin-4-yl]amine	184475-35-2	2934 90
211	5-hydroxy-1,2,3,4-tetrahydro-1-naphthone	28315-93-7	2914 50
212	(R)-1-chloro-2,3-epoxypropane	51594-55-9	2910 30
214	methyl 4-acetamido-o-anisate	4093-29-2	2924 29
215	4-acetamido-5-chloro-o-anisic acid	24201-13-6	2924 29
237	methyl (1S,2S)-1-benzyl-3-chloro-2-hydroxypropylcarbamate	176972-62-6	2924 29
243	ethyl 2-chloronicotinate	1452-94-4	2933 39
245	ethyl 6-chloronicotinate	49608-01-7	2933 39
246	6-hydroxynicotinic acid	5006-66-6	2933 39
247	6-chloronicotinic acid	5326-23-8	2933 39
248	1-acetylpiperazine	13889-98-0	2933 59
249	8-azaspiro[4.5]decane-7,9-dione	1075-89-4	2925 19
250	(S)-2-(4-((2,7-dimethyl-4-oxo-1,4-dihydroquinazolin-6-yl)methyl)(prop-2-ynyl)amino)-2-fluorobenzamido)-4-(1H-tetrazol-5-yl)butyric acid	153537-73-6	2933 59
253	SC-59735	116638-33-6	3002 10
256	SC-70935	193700-51-5	3002 10
257	6,7-dichloro-2,3-dimethoxyquinoxalin-5-ylamine	178619-89-1	2933 90
259	4-(2-methyl-1H-imidazo[4,5-c]pyridin-1-yl)benzoic acid	132026-12-1	2933 90
260	methyl(4'-nitrophenethyl)amine hydrochloride	166943-39-1	2921 49
261	2-chloroethyl 4-nitrophenyl ether	3383-72-0	2909 30
262	(2RS,3SR)-2-(2,4-difluorophenyl)-3-(5-fluoropyrimidin-4-yl)-1-(1H-1,2,4-triazol-1-yl)butan-2-ol--(1R,4S)-2-oxobornane-10-sulfonic acid (1:1)	188416-34-4	2933 59
263	6-ethyl-5-fluoropyrimidin-4(1H)-one	137234-87-8	2933 59
264	diphenyl[(S)-pyrrolidin-3-yl]acetonitrile hydrobromide	194602-27-2	2933 90
265	(2,3-dihydrobenzofuran-5-yl)acetic acid	69999-16-2	2932 99

IV/4.

* Proposed by the EC

ID	IUPAC	CAS RN	HS code *
266	cyclohexylammonium 1-[(S)-2-(tert-butoxycarbonyl)-3-(2-methoxyethoxy)propyl]cyclopentanecarboxylate	167944-94-7	2921 30
267	cis-4-(benzyloxycarbonyl)cyclohexylammonium tosylate	67299-45-0	2922 49
268	5-bromo-3-[(R)-1-methylpyrrolidin-2-ylmethyl]indole	143322-57-0	2933 90
271	meso-3-benzyl-6-nitro-3-azabicyclo[3.1.0]hexane	151860-16-1	2933 90
281	diethyl (6-chloro-9H-carbazol-2-yl)methylmalonate	71208-55-4	2933 90
284	beta-cyclodextrin sulfobutyl ethers, sodium salts	182410-00-0	2940 00
285	N-(2-chloroethyl)pyrrolidine hydrochloride	7250-67-1	2933 90
286	6,7-bis(2-methoxyethoxy)quinazolin-4(1H)-one	179688-29-0	2933 59
287	ethyl 3,4-dihydroxybenzoate	3943-89-3	2918 29
288	3-((Z)-1-[4-(2-dimethylaminoethoxy)phenyl]-2-phenylbut-1-enyl)phenol	83647-29-4	2922 19
293	2-[1-(tert-butoxycarbonyl)-4-piperidyl]acetic acid	157688-46-5	2933 39
294	4-pyridylacetic acid hydrochloride	6622-91-9	2933 39
295	α,α,α-trifluoro-4-nitro-m-toluidine	393-11-3	2921 43
297	methyl 1-(2,3,5-tri-O-acetyl-beta-D-ribofuranosyl)-1H-1,2,4-triazole-3-carboxylate	39925-10-5	2934 90
298	N'α-(tert-butoxycarbonyl)-N'ω-nitro-L-arginine	2188-18-3	2929 90
299	N'α-(tert-butoxycarbonyl)-N-methoxy-N-methyl-N'ω-nitro-L-argininamide	139976-34-4	2929 90
300	(2S,3S)-3-amino-2-ethoxy-N-nitropiperidine-1-carboxamide hydrochloride	180250-77-5	2933 39
302	(S)-O-benzylaldehyde-N-(tert-butoxycarbonyl)hydrazone	192802-28-1	2928 00
303	phenyl {4-[4-(4-hydroxyphenyl)piperazin-1-yl]phenyl}carbamate	184177-81-9	2933 59
304	[(3S,5S)-5-(2,4-difluorophenyl)-5-(1H-1,2,4-triazol-1-ylmethyl)tetrahydrofuran-3-yl]methyl 4-chlorobenzenesulfonate	175712-02-4	2934 90
306	8-chloro-11-(4-piperidylidene)-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridine	100643-71-8	2933 90
307	2-hydroxy-2-methyl-4'-nitro-3'-(trifluoromethyl)propionanilide	52806-53-8	2924 29
308	5-acetylsalicylamide	40187-51-7	2924 29
309	8-chloro-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-one	31251-41-9	2933 90
310	1-nitro-4-(1,2,2,2-tetrachloroethyl)benzene	4714-32-3	2904 90
311	3-chloropropyltrimethylammonium chloride	5407-04-5	2921 19
312	3-(trichlorovinyl)aniline hydrochloride	81972-27-2	2921 49
315	2-[1-(mercaptomethyl)cyclopropyl]acetic acid	162515-68-6	2930 90
316	3-(4-bromobenzyl)-2-butyl-4-chloro-1H-imidazol-5-ylmethanol	151012-31-6	2933 29
317	4-chloro-1-methylpiperidine hydrochloride	5382-23-0	2933 39
319	methyl 2-[(S)-3-((E)-3-[2-(7-chloro-2-quinolyl)vinyl]phenyl)-3-hydroxypropyl]benzoate	181139-72-0	2933 40
320	methyl 2-(3-((E)-3-[2-(7-chloro-2-quinolyl)vinyl]phenyl)-3-oxopropyl)benzoate	149968-11-6	2933 40
321	2-(2-trityl-2H-tetrazol-5-yl)phenylboronic acid	143722-25-2	2933 90
322	(3aS,8aR)-3-[(2R,4S)-2-benzyl-4,5-epoxyvaleryl]-2,2-dimethyl-3,3a,8,8a-tetrahydro-2H-indeno[1,2-d]oxazole	158512-24-4	2934 90
324	N-[(4S,6S)-6-methyl-7,7-dioxo-5,6-dihydro-4H-thieno[2,3-	147086-83-7	2934 90

ID	IUPAC	CAS RN	HS code *
	b]thiopyran-4-yl]acetamide		
325	N-[(4S,6S)-6-methyl-7,7-dioxo-2-sulfamoyl-5,6-dihydro-4H-thieno[2,3-b]thiopyran-4-yl]acetamide	147200-03-1	2935 00
327	5-iodouracil	696-07-1	2933 59
328	N'1-methyl-1H-pyrazole-1-carboxamide hydrochloride	59194-35-3	2933 19
329	(S)-tetrahydrofuran-3-ol	86087-23-2	2932 19
330	ethyl 4,6-dichloro-3-formylindole-2-carboxylate	153435-96-2	2933 90
334	3-oxoandrost-4-ene-17-beta-carboxylic acid	302-97-6	2918 30
335	alpha,alpha,alpha,alpha',alpha',alpha'-hexafluoro-2,5-xylylidine	328-93-8	2921 49
336	(±)-2-azabicyclo[2.2.1]hept-5-en-3-one	61865-48-3	2933 79
337	(1R,4S)-2-azabicyclo[2.2.1]hept-5-en-3-one	79200-56-9	2933 79
338	[(1S,4R)-4-(2-amino-6-chloro-9H-purin-9-yl)cyclopent-2-enyl]methanol hydrochloride	172015-79-1	2933 59
339	N-(2-amino-4,6-dichloropyrimidin-5-yl)formamide	171887-03-9	2933 59
340	4-fluorobenzyl 4-(methylthio)phenyl ketone	87483-29-2	2930 90
341	2-amino-3-pyridyl methyl ketone	65326-33-2	2933 39
342	6-methoxy-1H-purin-2-ylamine	20535-83-5	2933 59
343	1-(beta-D-arabinofuranosyl)pyrimidine-2,4(1H,3H)-dione	3083-77-0	2934 90
344	(2R)-4-methyl-2-[(S)-2,2-dimethyl-5-oxo-1,3-dioxolan-4-yl]valeric acid	157518-70-2	2932 99
345	(S)-2-amino-3,3-dimethyl-N-2-pyridylbutyramide	171764-07-1	2933 39
346	3-nitro-4-pyridone	5435-54-1	2933 39
347	2,6-difluorobenzylamine	69385-30-4	2921 49
348	L-ribose	24259-59-4	2940 00
349	(5,6-dichloro-1H-benzimidazol-2-yl)isopropylamine	176161-55-0	2933 90
350	(R)-2-amino-2-ethylhexan-1-ol	151851-75-1	2922 19
351	3-methylenecyclobutanecarbonitrile	15760-35-7	2926 90
352	4-tert-butylbenzyl 2-((2R,3S)-3-((R)-1-(tert-butyl)dimethylsilyloxy)ethyl)-2-((1R,3S)-3-methoxy-2-oxocyclohexyl)-4-oxoazetidin-1-yl)-2-oxoacetate	159593-17-6	2933 79
354	methyl (3aR,4R,7aR)-2-methyl-4-[(1S,2R)-1,2,3-triacetoxypropyl]-3a,7a-dihydro-4H-pyrano[3,4-d]oxazole-6-carboxylate	78850-37-0	2934 90
355	(4S,5R,6R)-5-acetamido-4-amino-6-[(1R,2R)-1,2,3-trihydroxypropyl]-5,6-dihydropyran-2-carboxylic acid	130525-62-1	2932 99
356	pyrazole-1-carboxamide hydrochloride	4023-02-3	2933 19
357	2-acetoxy-5-acetylbenzyl acetate	24085-06-1	2915 39
361	(R)-1,2,3,4-tetrahydropapaverine hydrochloride	54417-53-7	2939 10
362	trans-2-chloro-3-[4-(4-chlorophenyl)cyclohexyl]-1,4-naphthoquinone	153977-22-1	2914 70
363	1,3-dichloroacetone	534-07-6	2914 70
364	3,5-dimethylpiperidine	35794-11-7	2933 39
365	2,6-diaminopyrimidin-4-ol	56-06-4	2933 59
368	1-(2-chloroethyl)piperidinium chloride	2008-75-5	2933 39
371	diethyl L-glutamate hydrochloride	1118-89-4	2922 49
375	tert-butyl (1R,4S)-4-(hydroxymethyl)cyclopent-2-enylcarbamate	168960-18-7	2924 29
376	2-butyl-1,3-diazaspiro[4.4]non-1-en-4-one hydrochloride	151257-01-1	2933 29
377	tert-butyl 2-[[1-(2-aminothiazol-4-yl)-2-(benzisothiazol-2-	89604-92-2	2934 20

IV/6.

* Proposed by the EC

ID	IUPAC	CAS RN	HS code *
	ylthio)-2-oxoethylidene]aminoxy}-2-methylpropionate		
379	bis[(isopropoxyoxycarbonyloxy)methyl [(R)-2-(6-amino-9H-purin-9-yl)-1-methylethoxy]methyl phosphonate--fumaric acid (1:1)	202138-50-9	2933 59
380	(R)-[2-(6-amino-9H-purin-9-yl)-1-methylethoxy]methylphosphonic acid	147127-20-6	2933 59
381	(R)-propylene carbonate	16606-55-6	2920 90
382	6-amino-9H-purin-9-ylethanol	707-99-3	2933 59
383	(R)-2-(6-amino-9H-purin-9-yl)-1-methylethanol	14047-28-0	2933 59
384	chloromethyl isopropyl carbonate	35180-01-9	2920 90
386	diethyl (tosyloxy)methylphosphonate	31618-90-3	2920 90
388	(R)-3-chloropropane-1,2-diol	57090-45-6	2905 50
389	(S)-[(trityloxy)methyl]oxirane	129940-50-7	2910 90
391	(S)-2-(2-amino-5-chlorophenyl)-4-cyclopropyl-1,1,1-trifluorobut-3-yn-2-ol	154598-58-0	2922 19
392	10,10-bis[(2-fluoro-4-pyridyl)methyl]anthrone	160588-45-4	2933 39
393	(S)-N-[(1S,2R)-3-[(1,3-benzodioxol-5-ylsulfonyl)(isobutyl)amino]-1-benzyl-2-hydroxypropyl]-3,3-dimethyl-2-(sarcosylamino)butyramide	183556-68-5	2935 00
394	(4R,5S,6S,7R)-1-[(3-amino-1H-indazol-5-yl)methyl]-4,7-dibenzyl-3-butyl-5,6-dihydroxyhexahydro-2H-1,3-diazepin-2-one	188978-02-1	2933 90
395	(2S)-N-[(R)-1-(1,3-benzodioxol-5-yl)butyl]-3,3-diethyl-2-{4-[(4-methylpiperazin-1-yl)carbonyl]phenoxy}-4-oxoazetidine-1-carboxamide	157341-41-8	2934 90
396	2-(piperazin-1-yl)pyrimidine	20980-22-7	2933 59
399	4-bromo-2,2-diphenylbutanenitrile	39186-58-8	2926 90
400	bromomethylcyclopropane	7051-34-5	2903 59
401	cyclobutanecarboxylic acid	3721-95-7	2916 20
406	2-phenyl-2-pyridylacetonitrile	5005-36-7	2933 39
408	5-methyl-2,3,4,5-tetrahydro-1H-pyrido[4,3-b]indol-1-one	122852-75-9	2933 90
409	4-(2-methyl-2-phenylhydrazino)-5,6-dihydro-2-pyridone	139122-76-2	2933 79
410	4,5,6,7-tetrahydrothieno[3,2-c]pyridine hydrochloride	28783-41-7	2934 90
415	4'-[(2-butyl-4-oxo-1,3-diazaspiro[4.4]non-1-en-3-yl)methyl]biphenyl-2-carbonitrile	138401-24-8	2933 29
416	methyl 2-(2-chlorophenyl)-2-(4,5,6,7-tetrahydrothieno[3,2-c]pyridin-5-yl)acetate hydrochloride	130209-90-4	2934 90
417	2-bromo-2-(2-chlorophenyl)acetic acid	141109-25-3	2916 39
418	disodium (2S,3R)-2-hydroxy-3-isobutylsuccinate	157604-22-3	2918 19
419	7-amino-3-(2-furoylthiomethyl)-3-cephem-4-carboxylic acid	80370-59-8	2934 90
420	methyl 5-chloro-o-anisate	33924-48-0	2918 90
421	4-[(4-mesyloxy)phenyl]-4-oxobutyric acid	100632-57-3	2935 00
422	benzyl (3-fluoro-4-morpholinophenyl)carbamate	168828-81-7	2934 90
424	(3R)-3-[(S)-1-(methylamino)ethyl]pyrrolidine	155322-92-2	2933 90
425	(4-carboxybutyl)triphenylphosphonium bromide	17814-85-6	2931 00
426	(3aS,9aS,9bR)-3a-methyl-6-[2-(2,5,5-trimethyl-1,3-dioxan-2-yl)ethyl]-1,2,4,5,8,9,9a,9b-octahydro-3aH-cyclopenta[a]naphthalene-3,7-dione	88128-61-4	2932 99
427	2-amino-2',5-dichlorobenzophenone	2958-36-3	2922 30

* Proposed by the EC

ID	IUPAC	CAS RN	HS code *
433	21-chloro-16-alpha-methylpregna-1,4,9(11)-triene-3,20-dione	151265-34-8	2914 70
434	3,20-dioxopregna-1,4,9(11),16-tetraen-21-yl acetate	37413-91-5	2915 39
435	uracil	66-22-8	2933 59
437	tetrabutylammonium (6-iodo-1H-purin-2-yl)amide	156126-48-6	2933 59
438	(1S,2S,3S)-2,3-bis(benzoyloxymethyl)cyclobutanol	132294-17-8	2916 31
442	5-methyluridine	1463-10-1	2934 90
445	benzyl (1-carbamoyl-2-hydroxypropyl)carbamate	91558-42-8	2924 29
446	5,8-dihydro-1-naphthol	27673-48-9	2907 19
448	potassium (R)-N-(3-ethoxy-1-methyl-3-oxoprop-1-enyl)-2-phenylglycine	961-69-3	2922 49
449	triethylaniline	33881-72-0	2921 49
452	1-[4-(2-dimethylaminoethoxy)[14C]phenyl]-1,2-diphenylbutan-1-ol	82407-94-1	2844 40
461	o-chlorothiophenol	6320-03-2	2930 90
462	cytidine 5'-(dihydrogen phosphate)	63-37-6	2934 90
463	2-[benzyl(methyl)amino]ethyl acetoacetate	54527-65-0	2922 19
467	2-methyl-1-nitrosoindoline	85440-79-5	2933 90
474	inosine 5'-disodium phosphate	4691-65-0	2934 90
490	4-[1-hydroxy-2-(methylamino)ethyl]phenol--L-tartaric acid (2:1)	16589-24-5	2922 50
500	4-phenylpiperidin-4-ol	40807-61-2	2933 39
501	1-(4-benzyloxyphenyl)-2-(4-hydroxy-4-phenyl-1-piperidyl)propan-1-one	188591-61-9	2933 39
502	7-chloro-2-(4-methoxy-2-methylphenyl)-2,3-dihydro-5H-pyridazino[4,5-b]quinoline-1,4,10-trione, sodium salt	170142-29-7	2933 90
504	N'-[N-methoxycarbonyl-L-valyl]-N-[(S)-3,3,3-trifluoro-1-isopropyl-2-oxopropyl]-L-prolinamide	182073-77-4	2933 90
505	3-methyl hydrogen 7-chloro-1,4-dihydro-4-oxoquinoline-2,3-dicarboxylate	170143-39-2	2933 40
507	(S)-N-[5-[2-(2-amino-4-oxo-4,6,7,8-tetrahydro-1H-pyrimido[5,4-b][1,4]thiazin-6-yl)ethyl]-2-thenoyl]-L-glutamic acid	177575-17-6	2934 90
508	(S)-2,2-dimethyl-N-hydroxy-4-[4-(4-pyridyloxy)phenylsulfonyl]-1,4-thiazinane-3-carboxamide	192329-42-3	2935 00
510	urate oxidase	9002-12-4	3507 90
511	(Z)-1-[3-(3-chloro-4-cyclohexylphenyl)prop-2-enyl]hexahydro-1H-azepine hydrochloride	139592-99-7	2933 90
512	(Z)-N-[3-(3-chloro-4-cyclohexylphenyl)prop-2-enyl]-N-ethylcyclohexylamine hydrochloride	132173-07-0	2921 49
513	trans-2'-fluoro-4-hydroxychalcone O-[(Z)-2-(dimethylamino)ethyl]oxime--fumaric acid (2:1)	130580-02-8	2928 00
514	N',N'-diethyl-2-methyl-N-(6-phenyl-5-propylpyridazin-3-yl)propane-1,2-diamine--fumaric acid (2:3)	137733-33-6	2933 90
515	2-[[1-(7-chloro-4-quinolyl)-5-(2,6-dimethoxyphenyl)-1H-pyrazol-3-yl]carbonylamino}adamantane-2-carboxylic acid	146362-70-1	2933 40
516	(S)-N-[4-(4-acetamido-4-phenyl-1-piperidyl)-2-(3,4-dichlorophenyl)butyl]-N-methylbenzamide--fumaric acid (1:1)	176381-97-8	2933 39
517	N'-{(2R,3S)-5-chloro-3-(2-chlorophenyl)-1-[(3,4-	150375-75-0	2935 00

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* Proposed by the EC

ID	IUPAC	CAS RN	HS code *
	dimethoxyphenyl)sulfonyl]-3-hydroxy-2,3-dihydro-1H-indol-2-ylcarbonyl]-L-prolinamide		
518	1-(6-chloro-2-pyridyl)-4-piperidylamine hydrochloride	77145-61-0	2933 39
520	ethyl ((7S)-7-(((2R)-2-(3-chlorophenyl)-2-hydroxyethyl)amino)-5,6,7,8-tetrahydro-2-naphthoxy)acetate hydrochloride	121524-09-2	2922 50
521	methyl O-2-deoxy-6-O-sulfo-2-(sulfoamino)-alpha-D-glucopyranosyl-(1,4)-O-beta-D-glucopyranuronosyl-(1,4)-O-2-deoxy-3,6-di-O-sulfo-2-(sulfoamino)-alpha-D-glucopyranosyl-(1,4)-O-2-O-sulfo-alpha-L-idopyranuronosyl-(1,4)-2-deoxy-2-(sulfoamino)-6-(hydrogen sulfate)-alpha-D-glucopyranoside, decasodium salt	114870-03-0	2932 99
522	3-[[4-(4-amidinophenyl)thiazol-2-yl]][1-(carboxymethyl)-4-piperidyl]amino}propionic acid	180144-61-0	2934 10
523	ethyl 3-((4-[4-(N-ethoxycarbonylamidino)phenyl]thiazol-2-yl]][1-(ethoxycarbonylmethyl)-4-piperidyl]amino)propionate	190841-79-3	2934 10
524	(S)-1-(2-[3-(3,4-dichlorophenyl)-1-(3-isopropoxyphenacyl)-3-piperidyl]ethyl)-4-phenyl-1-azoniabicyclo[2.2.2]octane chloride	153050-21-6	2933 39
525	5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-4-methyl-N-piperidino-1H-pyrazole-3-carboxamide	168273-06-1	2933 39
526	(R)-N-(1-(3-[1-benzoyl-3-(3,4-dichlorophenyl)-3-piperidyl]propyl)-4-phenyl-4-piperidyl)-N-methylacetamide hydrochloride	173050-51-6	2933 39
529	dibenzyl 1-(2,4-difluorophenyl)-2-(1H-1,2,4-triazol-1-yl)-1-(1H-1,2,4-triazol-1-ylmethyl)ethyl phosphate	194602-25-0	2933 90
530	(S)-2-(3-[(2-fluorobenzyl)sulfonylamino]-2-oxo-2,3-dihydro-1-pyridyl)-N-(1-formyl-4-guanidinobutyl)acetamide	179524-67-5	2935 00
531	4-[4-(4-{4-[(3R,5R)-5-(2,4-difluorophenyl)-5-(1H-1,2,4-triazol-1-ylmethyl)tetrahydrofuran-3-ylmethoxy]phenyl}piperazin-1-yl)phenyl]-1-[(1S,2S)-1-ethyl-2-hydroxypropyl]-1,2,4-triazol-5(4H)-one	171228-49-2	2933 59
532	4-{4-[(11R)-3,10-dibromo-8-chloro-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-yl]piperidinocarbonylmethyl}piperidine-1-carboxamide	193275-84-2	2933 39
533	4-{4-[(11S)-3,10-dibromo-8-chloro-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-yl]piperidinocarbonylmethyl}piperidine-1-carboxamide	193275-85-3	2933 39
536	N-(1-ethyl-1,4-diphenylbut-3-enyl)cyclopropanecarboxamide	137246-21-0	2924 29
538	(1S,3S,4S)-1-azabicyclo[2.2.1]heptan-3-ol	142034-92-2	2933 39
539	(±)-1-azabicyclo[2.2.1]heptan-3-one	21472-89-9	2933 39
542	ethyl [3-(4-bromo-2-fluorobenzyl)-7-chloro-2,4-dioxo-1,2,3,4-tetrahydroquinazolin-1-yl]acetate	112733-28-5	2933 59
543	2,6-diisopropylphenyl sulfamate	92050-02-7	2929 90
544	diethyl (1-cyano-3-methylbutyl)malonate	186038-82-4	2926 90
545	2-imino-1,3-thiazol-4-one	556-90-1	2934 10
546	3,5-di-tert-butyl-4-hydroxybenzaldehyde	1620-98-0	2912 49
548	N-(biphenyl-2-yl)-4-[(2-methyl-4,5-dihydro-1H-imidazo[4,5-d][1]benzazepin-6-yl)carbonyl]benzamide	179528-39-3	2933 90

ID	IUPAC	CAS RN	HS code *
549	3-(aminomethyl)-5-methylhexanoic acid	128013-69-4	2922 49
550	2-(2,4,6-triisopropylphenyl)acetic acid	4276-85-1	2916 39
551	N,N'-[dithiobis(o-phenylenecarbonyl)]bis-L-isoleucine	182149-25-3	2930 90
553	(1R,4S)-1-azabicyclo[2.2.1]heptan-3-one	142034-97-7	2933 39
554	3-amino-7-methyl-5-phenyl-1H-1,4-benzodiazepin-2(3H)-one	70890-50-5	2933 90
555	1-ethyl-1,4-diphenylbut-3-enylamine	129140-12-1	2921 49
560	sodium 1,2,3-triazole-5-thiolate	59032-27-8	2933 90
570	(3-ethynylphenyl)[6,7-bis(2-methoxyethoxy)quinazolin-4-yl]amine hydrochloride	183319-69-9	2933 59
571	1-[(1S,2S)-2-hydroxy-2-(4-hydroxyphenyl)-1-methylethyl]-4-phenylpiperidin-4-ol methanesulfonate trihydrate	189894-57-3	2933 39
572	(5R,6S)-6-phenyl-5-[4-(2-pyrrolidinoethoxy)phenyl]-5,6,7,8-tetrahydro-2-naphthol--(-)-tartaric acid (1:1)	190791-29-8	2933 90
575	4'-benzyloxy-2-[(1-methyl-2-phenoxyethyl)amino]propiophenone hydrochloride	35205-50-6	2922 50
576	5-(3-dimethylaminopropyl)-10,11-dihydrodibenzo[a,d]cyclohepten-5-ol	1159-03-1	2922 19
578	2-aminoethyldiethylamine	100-36-7	2921 29
579	isopropyl (Z)-7-[(1R,2R,3R,5S)-3,5-dihydroxy-2-[(E)-(3R)-3-hydroxy-4-[3-(trifluoromethyl)phenoxy]but-1-enyl]cyclopentyl]hept-5-enoate	157283-68-6	2918 90
580	21-benzyloxy-9-alpha-fluoro-11-beta,17-alpha-dihydroxy-16-alpha-methylpregna-1,4-diene-3,20-dione	150587-07-8	2914 70
581	pilocarpine	92-13-7	2939 90
582	atropine	51-55-8	2939 90
588	4-nitrobenzyl (4R,5R,6S)-3-(diphenoxyphosphoryloxy)-6-[(R)-1-hydroxyethyl]-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylate	90776-59-3	2933 79
589	2-aminopropane-1,3-diol	534-03-2	2922 19
592	methyl 4-(bromomethyl)benzoate	2417-72-3	2916 39
593	2-butylimidazole-5-carbaldehyde	68282-49-5	2933 29
594	ethyl hydrogen (2-thienylmethyl)malonate	143468-96-6	2934 90
595	4-(2-butyl-5-formylimidazol-1-ylmethyl)benzoic acid	152146-59-3	2933 29
599	2,6-dichloro-4-methylnicotinonitrile	875-35-4	2933 39
600	3,5-diacetamido-2,4,6-triiodobenzoic acid dihydrate	50978-11-5	2924 29
601	2,2,2-trifluoroethanol	75-89-8	2905 50
602	13-ethyl-17-alpha-hydroxy-18,19-dinorpregn-4-en-20-yn-3-one oxime	53016-31-2	2928 00
604	estropipate	7280-37-7	2933 59
605	4-(4-cyclohexyl-2-methyloxazol-5-yl)-2-fluorobenzenesulfonamide	180200-68-4	2935 00
608	17-alpha-hydroxy-3,20-dioxopregna-4,9(11)-diene-21-yl acetate	7753-60-8	2915 39
609	GM2-KLH conjugate	195993-11-4	3003.90
610	QS-21 adjuvant	141256-04-4	3003.90
611	GM1 ganglioside	104443-62-1	2938 90
612	GM2 ganglioside	104443-57-4	2938 90
613	KLH/reductive amination	196085-62-8	2938 90
614	ferristene	155773-56-1	3006 30

IV/10.

* Proposed by the EC

ID	IUPAC	CAS RN	HS code *
615	codeine phosphate hemihydrate	41444-62-6	2939 10
616	trans-1-benzoyl-4-phenyl-L-proline	120851-71-0	2933 90
617	5-methyluridine hemihydrate	25954-21-6	2934 90
618	5'-benzoyl-2',3'-didehydro-3'-deoxythymidine	122567-97-9	2934 90
619	3',5'-anhydrothymidine	38313-48-3	2934 90
622	4'-(benzyloxycarbonyl)-4'-demethylepipodophyllotoxin	23363-33-9	2932 29
623	2,3,4,6-tetra-O-benzyl-1-O-(trimethylsilyl)- β -D-glucose	80312-55-6	2940 00
624	2,3,4,6-tetra-O-benzyl-D-glucose	4132-28-9	2940 00
626	6-iodo-1H-purin-2-ylamine	19690-23-4	2933 59
627	(1R,2R,3S)-2-amino-9-[2,3-bis(benzoyloxymethyl)cyclobutyl]-9H-purin-6-one	156126-53-3	2933 59
628	(1RS,2RS,3SR)-2,3-bis(benzoyloxymethyl)cyclobutylamine	151807-53-3	2922 19
630	(1R,2R,3S)-9-[2,3-bis(benzoyloxymethyl)cyclobutyl]-6-iodo-9H-purin-2-ylamine	156126-83-9	2933 59
631	(2S,3S)-2,3-bis(benzoyloxymethyl)cyclobutanone	132294-16-7	2916 31
633	(S)-5-(1,3-dioxolan-4-yl)-2-aminovaleric acid	170242-34-9	2932 99
634	N,N'-bis(trifluoroacetyl)-DL-homocystine	105996-54-1	2930 90
635	(S)-2-(acetylthio)-3-phenylpropionic acid--dicyclohexylamine (1:1)	157521-26-1	2930 90
636	methyl (4S,7S,10aS)-4-amino-5-oxooctahydro-7H-pyrido[2,1-b][1,3]thiazepine-7-carboxylate	167304-98-5	2934 90
641	DL-5-(1,2-dithiolan-3-yl)valeramide	3206-73-3	2934 90
644	4-(4-methoxyphenyl)butan-2-one	104-20-1	2914 50
645	tetraisopropyl methylenediphosphonate	1660-95-3	2931 00
653	(S)-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid	74163-81-8	2933 40
655	(S)-N-tert-butyl-1,2,3,4-tetrahydroisoquinoline-3-carboxamide hydrochloride	149057-17-0	2933 40
656	(S)-N-tert-butyl-1,2,3,4-tetrahydroisoquinoline-3-carboxamide sulfate	186537-30-4	2933 40
659	(3S)-tetrahydrofuran-3-yl (1S,2R)-3-[(4-aminophenylsulfonyl)(isobutyl)amino]-1-benzyl-2-hydroxypropylcarbamate	161814-49-9	2935 00
660	6-benzyl-1-(ethoxymethyl)-5-isopropylpyrimidine-2,4(1H,3H)-dione	149950-60-7	2933 59
661	(2R,5S)-4-amino-5-fluoro-1-[2-(hydroxymethyl)-1,3-oxathiolan-5-yl]pyrimidin-2(1H)-one	143491-57-0	2934 90
662	3'-azido-2',3'-dideoxy-5-methylcytidine hydrochloride	108895-45-0	2934 90
663	(2R,4R)-4-(2,6-diamino-9H-purin-9-yl)-1,3-dioxolan-2-ylmethanol	145514-04-1	2934 90
664	(4R,5S,6S,7R)-1,3-bis(3-aminobenzyl)-4,7-dibenzyl-5,6-dihydroxyhexahydro-2H-1,3-diazepin-2-one dimethanesulfonate	177932-89-7	2934 90