

TABLE 1

**PHARMACEUTICAL INTERNATIONAL NONPROPRIETARY NAMES
PROPOSED FOR ADDITION TO THE PHARMACEUTICAL APPENDIX**

Table 1
Pharmaceutical international nonproprietary names (INNs) proposed for
addition to the Pharmaceutical Appendix

Product	CAS No.
Abaperidonum	183849-43-6
Abataceptum	332348-12-6
Abetimusum	167362-48-3
Abrineurinum	178535-93-8
Acidum salcaprozicum	183990-46-7
Acidum salclobuzicum	387825-03-8
Acidum lidadronicum	63132-38-7
Acidum gadocoleticum	280776-87-6
Acidum carglumicum	1188-38-1
Acidum caloxeticum	135306-78-4
Acidum arundicum	185517-21-9
Acolbifenium	182167-02-8
Acotiamidum	185106-16-5
Adalimumabum	331731-18-1
Adargileukinum alfa	250710-65-7
Adecatumumabum	503605-66-1
Adekalantum	227940-00-3
Adrogolidum	171752-56-0
Afeletecanum	215604-75-4
Agalsidasum alfa	104138-64-9
Agalsidasum beta	104138-64-9
Alagebrium chloridum	341028-37-3
Alamifovirum	193681-12-8
Albaconazolum	187949-02-6
Alefaceptum	222535-22-0
Alemcinalum	150785-53-8
Alemtuzumabum	216503-57-0
Alfatradiolum	57-91-0
Alfimeprasum	259074-76-5
Alglucosidasum alfa	420784-05-0
Alicaforsenum	185229-68-9
Alilusemum	144506-11-6
Aliskirenum	173334-57-1
Alitretinoinum	5300-03-8
Altinclinum	179120-92-4
Alvamelinum	120241-31-8
Alvimopanum	156053-89-3
Alvocidibum	146426-40-6
Ambrisentanum	177036-94-1
Amdoxovirum	145514-04-1
Amediplasum	151912-11-7
Amelubantum	346735-24-8
Amiglumidum	119363-62-1

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Product	CAS No.
Amotosalenum	161262-29-9
Amprenavirum	161814-49-9
Anatibantum	209733-45-9
Anatumomabum Mafenatoxum	(none)
Ancestimum	163545-26-4
Ancrivirocum	370893-06-4
Anecortavum	7753-60-8
Anidulafunginum	166663-25-8
Anisperimusum	170368-04-4
Antithrombin alfa	84720-88-7
Apaziquonum	114560-48-4
Apixaban	503612-47-3
Aplindorum	189681-70-7
Apolizumabum	267227-08-7
Apratastat	287405-51-0
Aprepitantum	170729-80-3
Aprinocarsenum	151879-73-1
Asasertaconazole	583057-48-1
Ardenerminum	305391-49-5
Arformoterolum	67346-49-0
Arimoclomolum	289893-25-0
Armodafinilum	112111-43-0
Artemifonum	255730-18-8
Artemotilum	75887-54-6
Artenimolum	81496-81-3
Arzoxifenium	182133-25-1
Ascorbylum gamolenas	109791-32-4
Aselizumabum	395639-53-9
Asenapinum	65576-45-6
Asoprisnili ecamas	222732-94-7
Asoprisnilum	199396-76-4
Ataciguatum	254877-67-3
Ataquimastum	182316-31-0
Atazanavirum	198904-31-3
Atilmotinum	533927-56-9
Atocalcitolum	302904-82-1
Atorolimumabum	202833-08-7
Atrasentanum	195733-43-8
Avanafilum	330784-47-9
Avasimibum	166518-60-1
Aviscuminum	223577-45-5
Avosentan	290815-26-8
Axitromum	156740-57-7

Table 1
Pharmaceutical international nonproprietary names (INNs) proposed for
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Product	CAS No.
Axomadolum	187219-95-0
Balaglitazonum	199113-98-9
Balicatibum	354813-19-7
Bamirastinum	215529-47-8
Banoxantrone	136470-65-0
Bapineuzumab	648895-38-9
Barixibat	263562-28-3
Barusibanum	285571-64-4
Batabulinum	195533-53-0
Bazedoxifene	198481-32-2
Becamprelum	188696-80-2
Becatecarinum	119673-08-4
Becocalcidiolum	524067-21-8
Befetupitant	290296-68-3
Belatacept	706808-37-9
Belimumab	356547-88-1
Belotecanum	256411-32-2
Beminafilum	566906-50-1
Bemotrizinol	187393-00-6
Bertilimumab	375348-49-5
Besilesomab	537694-98-7
Bevacizumab	216974-75-3
Bexarotene	153559-49-0
Bexlosteridum	148905-78-6
Bifarceptum	163796-60-9
Bifeprunoxum	350992-10-8
Bilastinum	202189-78-4
Bimatoprost	155206-00-1
Bimosaamosum	187269-40-5
Binetrakinum	207137-56-2
Binodenosonum	144348-08-3
Bisotrizolum	103597-45-1
Bivatuzumab	214559-60-1
Bortezomib	179324-69-7
Brivaracetam	357336-20-0
Brostallicin	203258-60-0
Bulaquinum	223661-25-4
Cadroxifloxacinum	153808-85-6
Calcobutrolum	151878-23-8
Caldaretum	133804-44-1
Canertinibum	267243-28-7
Canfosamidum	158382-37-7
Cangrelor	(none)

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Product	CAS No.
Cantuzumabum mertansinum	400010-39-1
Capravirinum	178979-85-6
Capromorelinum	193273-66-4
Carabersatum	184653-84-7
Caricotamide	64881-21-6
Carmoterolum	147568-66-9
Casporfunginum	162808-62-0
Catumaxomab	509077-98-9
Cefmatilenum	140128-74-1
Cefovecinum	234096-34-5
Ceftobiprolum medocarilum	376653-43-9
Ceftobiprolum	209467-52-7
Celecoxibum	169590-42-5
Certolizumabum pegolum	428863-50-7
Cethromycinum	205110-48-1
Cetilistatum	282526-98-1
Cetuximabum	205923-56-4
Cilengitidum	188968-51-6
Cilomilastum	153259-65-5
Ciluprevirum	300832-84-2
Cimicoxibum	265114-23-6
Cinacalcetum	226256-56-0
Cintredekinum besudotoxum	372075-36-0
Cipemastatum	190648-49-8
Cipralisantum	213027-19-1
Clamikalantum	158751-64-5
Clazosentanum	180384-56-9
Clofarabinum	123318-82-1
Coluracetamum	135463-81-9
Conivaptanum	210101-16-9
Corifollitropinum alfa	195962-23-3
Cridanimodum	38609-97-1
Crobenetinum	(none)
Dabigatranum	211914-51-1
Dabigatranum etexilatam	211915-06-9
Dabuzalgronum	219311-44-1
Dacinostatam	404951-53-7
Daglutrilum	182821-27-8
Dalbavancinum	171500-79-1
Dapiclermine	444069-80-1
Dapivirinum	244767-67-7
Darbepoetinum alfa	209810-58-2
Darbufelonum	139226-28-1

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Product	CAS No.
Darunavirum	206361-99-1
Darusentanum	171714-84-4
Dasantafilum	569351-91-3
Davasaicinum	147497-64-1
Daxalipramum	189940-24-7
Deferasiroxum	201530-41-8
Deferitrium	239101-33-8
Defoslimodum	171092-39-0
Degarelixum	214766-78-6
Deligoparinum natricum	9041-08-1
Delmitidum	287096-87-1
Deluceminum	186495-49-8
Denufosolum	211448-85-0
Depelestatum	506433-25-6
Depreotidum	161982-62-3
Deracoxibum	169590-41-4
Dersalazinum	188913-58-8
Desloratadinum	100643-71-8
Desmoteplasm	145137-38-8
Desvenlafaxinum	93413-62-8
Detiviciclovirum	220984-26-9
Deutolperisonum	474641-19-5
Dexbudesonidum	51372-29-3
Dexlansoprazole	138530-94-6
Dexmethylphenidatum	40431-64-9
Dextioproninum	29335-92-0
Dextofisopamum	82059-50-5
Dianicline	292634-27-6
Diboteriminum alfa	246539-15-1
Diflomotecanum	220997-97-7
Diquafosolum	59985-21-6
Dirlotapidum	481658-94-0
Disermolidum	127943-53-7
Disufentonum natricum	168021-79-2
Dofequidarum	129716-58-1
Donitriptanum	170912-52-4
Doramapimodum	285983-48-4
Doranidazolom	149838-23-3
Doripenemum	148016-81-3
Doxercalciferolum	54573-75-0
Drotrecoginum alfa (activatum)	98530-76-8
Ecalcidenum	150337-94-3
Ecallantide	460738-38-9

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Pharmaceutical international nonproprietary names (INNs) proposed for
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Product	CAS No.
Ecopipamum	112108-01-7
Ecopladibum	381683-92-7
Ecraprostum	136892-64-3
Echromeximabum	292819-64-8
Eculizumabum	219685-50-4
Edaglitazonum	213411-83-7
Edifolgidum	328538-04-1
Edodekinum alfa	187348-17-0
Edonentanum	210891-04-6
Edotecarinum	174402-32-5
Edotreotidum	204318-14-9
Edratidum	433922-67-9
Edronocainum	190258-12-9
Efalizumabum	214745-43-4
Efaproxiralum	131179-95-8
Efipladibum	381683-94-9
Eflucimibum	202340-45-2
Eganoprostum	63266-93-3
Eglumetadam	176199-48-7
Elarofibanum	198958-88-2
Elomotecanum	220998-10-7
Elsilimomabum	468715-71-1
Elvucitabinum	181785-84-2
Elzasonanum	361343-19-3
Embeconazolom	329744-44-7
Emfilerminum	159075-60-2
Emivirinum	149950-60-7
Emodepsidum	155030-63-0
Emtricitabinum	143491-57-0
Enecadinum	259525-01-4
Enfuvirtidum	159519-65-0
Eniporidum	176644-21-6
Enrasentanum	167256-08-8
Entecavirum	142217-69-4
Enzastaurinum	170364-57-5
Epaipasum	208576-22-1
Epitumomabum cituxetanum	263547-71-3
Epitumomabum	263547-71-3
Eplivanserinum	130579-75-8
Epoetinum zeta	604802-70-2
Epoetinum delta	261356-80-3
Epratuzumabum	205923-57-5
Eptapironum	179756-85-5

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Pharmaceutical international nonproprietary names (INNs) proposed for
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Product	CAS No.
Eptaplatinum	146665-77-2
Eptoterminum alfa	129805-33-0
Eritoranum	185955-34-4
Erlizumabum	211323-03-4
Erlotinibum	183321-74-6
Ertapenemum	153832-46-3
Ertiprotafibum	251303-04-5
Ertumaxomab	509077-99-0
Escitalopramum	128196-01-0
Esketaminum	33643-46-8
Eslicarbazepinum	104746-04-5
Esmirtazapine	61337-87-9
Esomeprazolum	119141-88-7
Esonarimodum	101973-77-7
Esoxybutyninum	119618-22-3
Eszopiclonum	138729-47-2
Etalocibum	161172-51-6
Etanerceptum	185243-69-0
Etravirinum	269055-15-4
Etilevodopum	37178-37-3
Etipredonil dicloacetat	199331-40-3
Etoricoxibum	202409-33-4
Etricitratum	402595-29-3
Eufaserasum	(none)
Evernimicinum	109545-84-8
Everolimusum	159351-69-6
Exenatidum	141758-74-9
Exatecanum alideximerum	(none)
Exatecanum	171335-80-1
Exbivirumabum	569658-80-6
Exisulindum	59973-80-7
Ezetimibum	163222-33-1
Ezlopitantum	147116-64-1
Fadolmidinum	189353-31-9
Falnidamololum	196612-93-8
Fampronilum	134183-95-2
Fanapanelum	161605-73-8
Fandosentanum	221241-63-0
Farampatorum	211735-76-1
Farglitazarum	196808-45-4
Febuxostatolum	144060-53-7
Felopreptanum	204267-33-4
Fesoterodinum	286930-03-8

Table 1
Pharmaceutical international nonproprietary names (INNs) proposed for
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Product	CAS No.
Fidexabanum	183305-24-0
Fiduxosinum	208993-54-8
Figopitantum	(none)
Finafloxacinum	209342-40-5
Fingolimodum	162359-55-9
Finrozolum	160146-17-8
Fipamezolum	150586-58-6
Firocoxibum	189954-96-9
Fispemifenum	341524-89-8
Flindokalnerum	187523-35-9
Fluoresceinum lisicolum	140616-46-2
Fondaparinuxum natricum	114870-03-0
Fontolizumabum	326859-36-3
Forodesinum	209799-67-7
Fosamprenavirum	226700-79-4
Fosfluconazolum	194798-83-9
Fosfluridine tidoxil	174638-15-4
Fosfructosum	488-69-7
Fosvesetum	193901-91-6
Frakefamidum	188196-22-7
Freselestatum	208848-19-5
Gadodenteratum	544697-52-1
Gadofosvesetum	193901-90-5
Gadomelitolum	227622-74-4
Galarubicinum	140637-86-1
Galiximabum	357613-77-5
Galsulfasum	552858-79-4
Ganstigminum	(none)
Gantacurium chloridum	213998-46-0
Gantofibanum	183547-57-1
Garenoxacinum	194804-75-6
Garnocestimum	246861-96-1
Gavilimomabum	244096-20-6
Gefitinibum	184475-35-2
Gemcabenum	183293-82-5
Gemifloxacinum	204519-64-2
Gemopatrilatam	160135-92-2
Gemtuzumabum	220578-59-6
Gimatecanum	292618-32-7
Gimeracilum	103766-25-2
Glucarpidasum	9074-87-7
Golimumabum	476181-75-5
Hemoglobinum raffimerum	197462-97-8

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Pharmaceutical international nonproprietary names (INNs) proposed for
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Product	CAS No.
Hemoglobinum glutamerum	(none)
Hormonum parathyroidum	345663-45-8
Iboctadekinum	479198-61-3
Ibritumomabum tiuxetanum	206181-63-7
Ibrolipimum	133208-93-2
Icaridinum	119515-38-7
Iclaprimum	192314-93-5
Icofungipenum	198022-65-0
Icomucretum	54845-95-3
Icrocaptidum	169543-49-1
Idraparinuxum	149920-56-9
Idremcinalum	110480-13-2
Idronoxilum	81267-65-4
Idursulfasum	50936-59-9
Iferanserinum	58754-46-4
Iguratiomodum	123663-49-0
Ilaprazolum	172152-36-2
Ilodecakinum	149824-15-7
Imatinibum	152459-95-5
Imidafenacinum	170105-16-5
Imiglitazarum	250601-04-8
Implitapidum	177469-96-4
Indacaterolum	312753-06-3
Indibulinum	204205-90-3
Indiplonum	325715-02-4
Indisulamum	165668-41-7
Inecalcitolum	163217-09-2
Ingliforibum	186392-65-4
Inotuzumabum ozogamicinum	635715-01-4
Insulinum glulisinum	207748-29-6
Insulinum detemirum	169148-63-4
Iosimenolum	181872-90-2
Ipravacainum	166181-63-1
Irampanelum	206260-33-5
Irofulvenum	158440-71-2
Iroxanadinum	276690-58-5
Isalmadolum	269079-62-1
Isatoribinum	122970-40-5
Iseganatum	257277-05-7
Ismomultinum alfa	457913-93-8
Ispinesibum	336113-53-2
Ispronciline	252870-53-4
Istaroxime	203737-93-3

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Pharmaceutical international nonproprietary names (INNs) proposed for
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Product	CAS No.
Istradefyllinum	155270-99-8
Itriglumidum	201605-51-8
Iturelixumum	112568-12-4
Ixabepilonum	219989-84-1
Izonsteridum	176975-26-1
Labetuzumabum	219649-07-7
Labradimilum	159768-75-9
Lacosamidum	175481-36-4
Ladirubicinum	171047-47-5
Ladostigilum	209394-27-4
Laniceminum	153322-05-5
Lanimostimum	117276-75-2
Laniquidarum	197509-46-9
Lapatinibum	231277-92-2
Lapisteridum	142139-60-4
Laquinimodum	248281-84-7
Laronidasum	210589-09-6
Lasofloxifenum	180916-16-9
Latidectinum (component A3)	371918-51-3
Latidectinum (component A4)	371918-44-4
Leconotidum	247207-64-3
Lecozotan	434283-16-6
Lemalesomabum	250242-54-7
Lemuteporfinum	215808-49-4
Lenalidomidum	191732-72-6
Lerdelimumabum	285985-06-0
Leridistimum	193700-51-5
Lestaurtinibum	111358-88-4
Leteprinimum	138117-50-7
Levmetamfetaminum	33817-09-3
Levolansoprazole	138530-95-7
Levotofisopamum	82059-51-6
Liaterminum	188630-14-0
Libivirumabum	569658-79-3
Licarbazepinum	29331-92-8
Licofelonum	156897-06-2
Lidorestatum	245116-90-9
Linaprazanum	248919-64-4
Liraglutidum	204656-20-2
Lirimilastum	329306-27-6
Litomeglovirum	321915-31-5
Livaraparinum calcium	329306-27-6
Lixivaptanum	168079-32-1

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Product	CAS No.
Lomeguatribum	192441-08-0
Lonafarnibum	193275-84-2
Lopinavirum	192725-17-0
Lubazodonum	161178-07-0
Lubiprostonum	333963-40-9
Luliconazolum	187164-19-8
Lumiliximabum	357613-86-6
Lumiracoxibum	220991-20-8
Lurasidonum	367514-87-2
Lusaperidonum	214548-46-6
Lusupultidum	200074-80-2
Manifaxinum	135306-39-7
Manitimus	202057-76-9
Mantabegronum	36144-08-8
Mapatumumab	658052-09-6
Maravirocum	376348-65-1
Maribavirum	176161-24-3
Marimastat	154039-60-8
Maropitantum	147116-67-4
Matuzumabum	339186-68-4
Mecaserminum rinfabas	478166-15-3
Meclinetantum	146362-70-1
Meldonium	76144-81-5
Melevodopum	7101-51-1
Mepolizumabum	196078-29-2
Merimepodibum	198821-22-6
Metelimumabum	272780-74-2
Metreleptinum	186018-45-1
Micafunginum	235114-32-6
Midafotelum	117414-74-1
Midaxifyllinum	151159-23-8
Midostaurinum	120685-11-2
Miglustatum	72599-27-0
Milataxelum	393101-41-2
Minopafantum	128420-61-1
Minretumomabum	195189-17-4
Miriplatinum	141977-79-9
Mirococeptum	507453-82-9
Mirostipenum	244130-01-6
Mitemcinalum	154738-42-8
Mitratapidum	179602-65-4
Mitumomabum	216503-58-1
Mivotilatam	130112-42-4

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Pharmaceutical international nonproprietary names (INNs) proposed for
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Product	CAS No.
Morolimumabum	202833-07-6
Morphinii glucuronidum	20290-10-2
Motexafinum	189752-49-6
Mozavaptanum	137975-06-5
Mozenavirum	174391-92-5
Mubritinibum	366017-09-6
Muraglitazarum	331741-94-7
Mureletecanum	246527-99-1
Nalfurafinum	152657-84-6
Naminidilum	220641-11-2
Nasaruplasum beta	136653-69-5
Natalizumabum	189261-10-7
Naveglitazarum	476436-68-7
Navuridinum	84472-85-5
Naxifyllinum	166374-49-8
Nebentanum	403604-85-3
Nebicapone	274925-86-9
Neboglaminum	163000-63-3
Nemifitidum	173240-15-8
Neramexanum	219810-59-0
Nerispiridine	119229-65-1
Nesiritidum	124584-08-3
Netoglitazonum	161600-01-7
Netupitant	290297-26-6
Nolomirolum	90060-42-7
Norelgestrominum	53016-31-2
Nortopixantronum	156090-17-4
Oblimersenum	190977-41-4
Odiparcilum	137215-12-4
Ofatumumab	679818-59-8
Oglufanidum	38101-59-6
Olamufloxacinum	167887-97-0
Olanexidinum	146510-36-3
Olcegepantum	204697-65-4
Olmesartan	144689-24-7
Olmesartanum medoxomilum	144689-63-4
Omaciclovirum	124265-89-0
Omalizumabum	242138-07-4
Omigananum	204248-78-2
Omigapilum	181296-84-4
Omocianinum	154082-13-0
Onerceptum	199685-57-9
Opaviralinum	178040-94-3

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Product	CAS No.
Opebacanum	206254-79-7
Oregovomabum	213327-37-8
Oritavancinum	171099-57-3
Ortataxelum	186348-23-2
Oseltamivirum	196618-13-0
Osemozotanum	137275-81-1
Ospemifenum	128607-22-7
Otamixabanum	193153-04-7
Oteracilum	937-13-3
Oxeglitazarum	280585-34-4
Ozogamicinum	(none)
Paclitaxelum poliglumexum	263351-82-2
Paclitaxelum ceribas	186040-50-6
Pactimibum	189198-30-9
Padoporfin	274679-00-4
Pagibaximab	595566-61-3
Paliferminum	162394-19-6
Paliperidonum	144598-75-4
Paliroden	188396-77-2
Palivizumabum	188039-54-5
Palosuranum	540769-28-6
Panitumumabum	339177-26-3
Parecoxibum	198470-84-7
Pascolizumabum	331243-22-2
Pasireotidum	396091-73-9
Patupilonum	152044-54-7
Peforelin	147859-97-0
Pegacaristimum	187139-68-0
Pegamotecanum	203066-49-3
Pegaptanibum	(none)
Pegfilfrastimum	208265-92-3
Peginterferonum alfa-2b	215647-85-1
Peginterferonum alfa-2a	198153-51-4
Pegnartograstimum	204565-76-4
Pegsunerceptum	330988-75-5
Pegvisomantum	218620-50-9
Peliglitazarum	331744-64-0
Pelitinibum	257933-82-7
Pelitrexolum	446022-33-9
Pemaglitazarum	496050-39-6
Peramivirum	229614-55-5
Perflexanum	355-42-0
Perflisobutanum	354-92-7

Table 1
Pharmaceutical international nonproprietary names (INNs) proposed for
addition to the Pharmaceutical Appendix

Product	CAS No.
Perflubrodecum	307-43-7
Perflubutanum	355-25-9
Perflutrenum	76-19-7
Pertuzumabum	380610-27-5
Perzinfotelum	144912-63-0
Pexelizumabum	219685-93-5
Piboserodum	152811-62-6
Pibrozelesinum	1545889-68-6
Piclozotatum	182415-09-4
Picoplatinum	181630-15-9
Pimecrolimusum	137071-32-0
Pinokalantum	149759-26-2
Pipendoxifenium	198480-55-6
Pitavastatinum	147511-69-1
Pitrakinrum	(none)
Pixantronum	144510-96-3
Plerixafor	110078-46-1
Plevitrexedum	153537-73-6
Plitidepsin	137219-37-5
Ponazurilum	69004-04-2
Posaconazolum	171228-49-2
Posizolidum	252260-02-9
Pradefovir	625095-60-5
Pradofloxacinum	195532-12-8
Pralatrexatum	146464-95-1
Pralnacasanum	192755-52-5
Prasugrelum	150322-43-3
Pratosartanum	153804-05-8
Prazarelixum	134457-28-6
Prinomastatum	192329-42-3
Pritumumabum	499212-74-7
Protamine sulfate	9009-65-8
Pruvanserinum	443144-26-1
Pumafentrinum	207993-12-2
Pumosetragum	153062-94-3
Radafaxinum	192374-14-4
Radequinil	219846-31-8
Radoterminum	575458-75-2
Rafabegronum	244081-42-3
Ragaglitazarum	222834-30-2
Ralfinamidum	133865-88-0
Ramelteonum	196597-26-9
Ranibizumabum	347396-82-1

Table 1
Pharmaceutical international nonproprietary names (INNs) proposed for
addition to the Pharmaceutical Appendix

Product	CAS No.
Ranirestatum	147254-64-6
Ranpirasum	196488-72-9
Rasburicasum	134774-45-1
Ravuconazolium	182760-06-1
Raxibacumabum	565451-13-0
Razaxabanum	218298-21-6
Rebimastatum	259188-38-0
Regadenosonum	313348-27-5
Reglitazarum	170861-63-9
Relcovaptanum	150375-75-0
Reparixinum	266359-83-5
Repiferminum	219527-63-6
Repinotanum	144980-29-0
Resequinilium	219846-31-8
Resiquimodum	144875-48-9
Reslizumabum	241473-69-8
Retapamulinum	224452-66-8
Revaprazanum	199463-33-7
Rilpivirinum	500287-72-9
Rimacalib	215174-50-8
Rimeporidum	187870-78-6
Rimonabantum	168273-06-1
Risarestatum	79714-31-1
Ritobegronum	255734-04-4
Rivanicline	15585-43-0
Rivaroxabanum	366789-02-8
Rivenprost	256382-08-8
Rivoglitazonum	185428-18-6
Robenacoxibum	220991-32-2
Rofecoxibum	162011-90-7
Rostafuroxinum	156722-18-8
Rostaporfinum	284041-10-7
Rosuvastatinum	287714-14-4
Rotigotinum	99755-59-6
Rovelizumabum	197099-66-4
Rubitecanum	91421-42-0
Ruboxistaurinum	169939-94-0
Rupintrivirum	223537-30-2
Ruplizumabum	220651-94-5
Sabarubicinum	211100-13-9
Sabiporidum	324758-66-9
Safinamidum	133865-89-1
Sarakalimum	148430-28-8

Table 1
Pharmaceutical international nonproprietary names (INNs) proposed for
addition to the Pharmaceutical Appendix

Product	CAS No.
Sardomozidum	149400-88-4
Sarizotanum	177975-08-5
Satavaptan	185913-78-4
Satraplatinum	129580-63-8
Saxagliptinum	361442-04-8
Segesteronum	7690-08-6
Selamectinum	165108-07-6
Seletracetam	357336-74-4
Selaciclibum	186692-46-6
Selodenosonum	110299-05-3
Semapimodum	352513-83-8
Semaxanibum	194413-58-6
Semparatidum	154906-40-8
Senazodanum	98326-32-0
Sibenadetum	154189-40-9
Sibrotuzumabum	216669-97-5
Silodosinum	160970-54-7
Siplizumabum	288392-69-8
Sipoglitazar	342026-92-0
Siramesinum	147817-50-3
Sitamaquinum	57695-04-2
Sitaxentanum	184036-34-8
Soblidotinum	149606-27-9
Solabegronum	252920-94-8
Solifenacinum	242478-37-1
Solimastatum	(none)
Soneclosanum	3380-30-1
Sonepiprazolum	170858-33-0
Sorafenibum	284461-73-0
Soraprazanum	261944-46-1
Squalaminum	148717-90-2
Stannsoportinum	106344-20-1
Sufugolixum	308831-61-0
Sugammadexum	343306-71-8
Sulamserodum	(none)
Sumanirolum	179386-43-7
Sunitinib	557795-19-4
Surinabant	288104-79-0
Tabimorelinum	193079-69-5
Tacapenemum	193811-33-5
Tacedinalinum	112522-64-2
Tadalafilum	171596-29-5
Tadekinigum alfa	220712-29-8

Table 1
Pharmaceutical international nonproprietary names (INNs) proposed for
addition to the Pharmaceutical Appendix

Product	CAS No.
Tafenoquinum	106635-80-7
Tafluposidum	179067-42-6
Tafluprostum	209860-87-7
Talabostatum	149682-77-9
Talactoferrinum alfa	308240-58-6
Talaglumetadum	441765-98-6
Talampanelum	161832-65-1
Talaporfinum	110230-98-3
Talibegronum	146376-58-1
Talizumabum	380610-22-0
Talnetantum	174636-32-9
Taltobulinum	228266-40-8
Tanaprogetum	304853-42-7
Tandutinibum	387867-13-2
Taneptacoginum alfa	465540-87-8
Tanogitrinum	637328-69-9
Tanomastatum	179545-77-8
Tapentadolum	175591-23-8
Taplitumomabum paptoxum	235428-87-2
Taprizosinum	210538-44-6
Tariquidarum	206873-63-4
Tasidotin	192658-64-3
Tasquinimod	254964-60-8
Tebaniclinum	198283-73-7
Tebipenenum pivoxilum	161715-24-8
Tecadenosonum	204512-90-3
Tecalcetum	148717-54-8
Tecastemizolum	75970-99-9
Technetium (99mTc) fanolesomabum	225239-31-6
Technetium (99mTc) nitridocadum	131608-78-1
Teduglutidum	287714-30-1
Tefibazumabum	521079-87-8
Tegaserodum	145158-71-0
Teglicarum	250694-07-6
Telavanicinum	372151-71-8
Telberminum	205887-54-3
Telbivudinum	3424-98-4
Telithromycinum	173838-31-8
Temserolimusum	162635-04-3
Tenatoprazolum	113712-98-4
Tenecteplasmum	191588-94-0
Teneliximabum	299423-37-3
Tenivastatinum	121009-77-6

Table 1
Pharmaceutical international nonproprietary names (INNs) proposed for
addition to the Pharmaceutical Appendix

Product	CAS No.
Tenofovirum	147127-20-6
Teriflunomidum	108605-62-5
Terutroban	165538-40-9
Tesaglitazarum	251565-85-2
Tesetaxel	333754-36-2
Tesmilifenum	98774-23-3
Tesofensinum	195875-84-4
Tetomilastum	145739-56-6
Tetraxetanum	60239-18-1
Tezacitabinum	130306-02-4
Tezosentanum	180384-57-0
Thrombomodulinum alfa	120313-91-9
Ticalopridum	202590-69-0
Tidembersatum	175013-73-7
Tifenazoxidum	279215-43-9
Tifuvirtidum	251562-00-2
Tigecyclinum	220620-09-7
Tilmacoxibum	180200-68-4
Timcodarum	179033-51-3
Tipifarnibum	192185-72-1
Tiplimotidum	178823-49-9
Tipranavirum	174484-41-4
Tisocalcitatum	156965-06-9
Tiviciclovirum	103024-93-7
Tocilizumabum	375823-41-9
Tocladesinum	41941-56-4
Tofimilastum	185954-27-2
Tolevamerum	28210-41-5
Tolvaptanum	150683-30-0
Tomeglovirum	233254-24-5
Tonabersatum	175013-84-0
Topilutamidum	260980-89-0
Topixantronum	156090-18-5
Toralizumabum	252662-47-8
Torapselum	204658-47-9
Torcetrapibum	262352-17-0
Torcitabinum	40093-94-5
Tosagestinum	110072-15-6
Tositumomabum	192391-48-3
Trabectedinum	114899-77-3
Travoprostum	157283-68-6
Traxoprodilum	134234-12-1
Trecetilidum	180918-68-7

Table 1
Pharmaceutical international nonproprietary names (INNs) proposed for
addition to the Pharmaceutical Appendix

Product	CAS No.
Treprostinilum	81846-19-7
Tretazicar	21919-05-1
Tridolgosirum	72741-87-8
Triplatinum tetranitras	172903-00-3
Trodsquemium	186139-09-3
Troxacitabinum	145918-75-8
Tulathromycinum A	217500-96-4
Tulathromycinum B	280755-12-6
Udenafil	268203-93-6
Ulifloxacinum	112984-60-8
Uliprisnilum	159811-51-5
Upidosinum	152735-23-4
Urtoxazumabum	502496-16-4
Valategrast	220847-86-9
Valdecoxibum	181695-72-7
Valomaciclovirum	195157-34-7
Valopicitabine	640281-90-9
Valrocedium	92262-58-3
Valrubicinum	56124-62-0
Valtorcitabinum	380886-95-3
Vandetanibum	338992-00-0
Vangatalcicum	12539-23-0
Vapaliximabum	336801-86-6
Vardenafilum	224785-90-4
Vareniclinum	249296-44-4
Varespladibum	172732-68-2
Vatalanibum	212141-54-3
Vepalimomabum	195158-85-1
Vestipitantum	334476-46-9
Vilazodonum	163521-12-8
Vildagliptinum	274901-16-5
Visilizumabum	219716-33-3
Vofopitantum	168266-90-8
Volociximab	558480-40-3
Volpristinum	21102-49-8
Xidecaflurum	207916-33-4
Ximelagatranum	192939-46-1
Yttrium (90y) tacatuzumabum	476413-07-7
Yttrium (90Y) tacatuzumab tetraxetan	476413-07-7
Zabofloxacin	219680-11-2
Zalutumumab	667901-13-5
Zanapezilum	142852-50-4
Zanolimumabum	652153-01-0

Table 1
Pharmaceutical international nonproprietary names (INNs) proposed for addition to the Pharmaceutical Appendix

Product	CAS No.
Zelandopamum	139233-53-7
Ziralimumabum	(none)
Zonampanelum	210245-80-0
Zoniporidum	241800-98-6
Zosuquidarum	167354-41-8
Zoticasonum	(none)

TABLE 2

**PHARMACEUTICAL PREFIXES AND SUFFIXES PROPOSED
FOR ADDITION TO THE PHARMACEUTICAL APPENDIX**

Table 2
Pharmaceutical prefixes and suffixes proposed for addition
to the Pharmaceutical Appendix

Item
acefurate
aceglumate
aceponate
acetofenide
acibutate
alfoscerate
alideximer
4-aminosalicylate
anisatil
arbamel
argine
aritox
aspart
aspartate
benetonide
R-camphorsulfonate
R-camphorsulfonate
S-camphorsulfonate
S-camphorsulfonate
cilexetil
cituxetan
clofibrol
crosumaril
cyclamate
cyclohexylamine
daloxate
daropate
defalan
detemir
dicibate
dicyclohexylamine
diffitox
disoproxil
N,N-dimethyl- β -alanine
ecamate
enbutate
ethylbromide
etilsulfate
ferrous
furetonide
gadolinium
gamolenate
glargine
glulisine
glutamer

Table 2
Pharmaceutical prefixes and suffixes proposed for addition to the Pharmaceutical Appendix

Item
guacil
guanidine
hemisuccinate
heptahydrate
hexacetone
hydrogen
2-(4-hydroxybenzoyl)benzoate
hydroxynaphthoate
iodine-131
lisetil
lisicol
lispro
lutetium
lysine
mafenatox
medoxomil
merpentan
mertansine
methonitrate
metiodide
mucate
pegol
pentexil
poliglumex
raffimer
septahydrate
sesquihydrate
sesquioleate
soproxil
stinoprate
succinil
sudotox
suleptanate
sulfoxylate
tafenatox
d-tartaric Acid
d-tartrate
l-tartrate
tetraxetan
tidoxil
tiuxetan
tocoferil
trioleate
tristearate
undecylate

TABLE 3

**PHARMACEUTICAL INTERMEDIATES PROPOSED
FOR ADDITION TO THE PHARMACEUTICAL APPENDIX**

Table 3

Pharmaceutical intermediates proposed for addition to the Pharmaceutical Appendix

Product name	CAS No.
1,2-Bis[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]-4,5-dinitrobenzene	165254-21-7
2,2'-[[(3,4-diethyl-1H-pyrrole-2,5-diyl)bis(methylene)]bis[4-methyl-5-[(phenylmethoxy)carbonyl]-1H-pyrrole-3-propanoic acid], dimethyl ester	149365-59-3
5,5'-[[(3,4-diethyl-1H-pyrrole-2,5-diyl)bis(methylene)]bis[4-(3-hydroxypropyl)-3-methyl-1H-pyrrole-2-carboxaldehyde]	149365-62-8
6-[(E)-2-[4-(4-fluorophenyl)-2,6-diisopropyl-5-(methoxymethyl)-3-pyridinyl]ethenyl]-4-hydroxytetrahydro-2H-pyran-2-one	158878-46-7
(2E)-3-[4-(4-fluorophenyl)-2,6-diisopropyl-5-(methoxymethyl)-3-pyridinyl]-2-propenal	177964-68-0
N-formylhexopyranosylamine	65293-32-5
1-deoxy-1-(formylamino)hexitol	89182-60-5
N-(3-acetyl-4-(2-oxiranylmethoxy)phenyl)butanamide	28197-66-2
rel-(3R,5S,6E)-7-[4-(4-fluorophenyl)-2,6-diisopropyl-5-(methoxymethyl)pyridin-3-yl]-3,5-dihydroxyhept-6-enoic acid	159813-78-2
(2R,3R,4R,5S)-2-(hydroxymethyl)-3,4,5-piperidonetriol	19130-96-2
rel-(3R,5R)-3-[(E)-2-[4-(4-fluorophenyl)-2,6-diisopropyl-5-(methoxymethyl)pyridin-3-yl]vinyl]-5-hydroxycyclohexanone	158878-47-8
1-[4-(benzyloxy)phenyl]-1-propanone	4495-66-3
1-[4-(Benzyloxy)phenyl]-2-[(1-methyl-3-phenylpropyl)amino]-1-propanone	96072-82-1
(tert-Butoxycarbonyl)methyl 2-[1-[(4-chlorophenyl)carbonyl]-5-methoxy-2-methylindol-3-yl]acetate	75302-98-6
2-methoxyethyl(2E)-2-acetyl-3-(3-nitrophenyl)-2-propenoate	39562-22-6
ethyl(2E)-2-acetyl-3-(3-nitrophenyl)-2-propenoate	39562-16-8
Methyl (2E)-2-acetyl-3-(2-nitrophenyl)-2-propenoate	39562-27-1
4-Chlorophenyl 4-(methylsulfanyl)phenyl ether	225652-11-9
(R)-3H-Pyrazolo[4,3-c]pyridin-3-one, 2,3a,4,5,6,7-hexahydro-2-methyl-3a-(phenylmethyl)-, L-tartaric acid salt	193274-37-2
7-Methoxy-6-(3-morpholinopropoxy)-3,4-dihydroquinazolin-4-one	199327-61-2
(2S)-1-[(2S)-2-[(methoxycarbonyl)amino]-3-methylbutanoyl]tetrahydro-1H-pyrrole-2-carboxylic acid	181827-47-4
N-(tert-Butyl)-hydroxylamine acetate	253605-31-1
(S)-1-[(S)-2-(4-methoxybenzamido)-3-methylbutyryl]-N-[(S)-2-methyl-1-(trifluoroacetyl)propyl]pyrrolidine-2-carboxamide	171964-73-1
3-[(4S)-5-oxo-2-(trifluoromethyl)-1,4,5,6,7,8-hexahydro-4-quinolinyl]benzoxonitrile	172649-40-0
tert-Butyl 2-[(4R,6S)-6-(hydroxymethyl)-2,2-dimethyl-1,3-dioxan-4-yl] acetate	124655-09-0
Methyl 4-(4-fluorophenyl)-6-isopropyl-2-[methyl(methylsulfonyl)amino]pyrimidine-5-carboxylate	160009-37-0
4-[[3-[[[2,2-dimethylpropanoyl]oxy]methyl]-2,7-dimethyl-4-oxo-3,4-dihydroquinazolin-6-yl]methyl](prop-2-ynyl)amino]-2-fluorobenzoic acid	140373-09-7
{1S-Benzyl-2R-hydroxy-3-[isobutyl-(4-nitrobenzenesulfonyl)amino]propyl}-carbamic acid tetrahydro-furan-3S-yl ester	160231-69-6
N-[(2R,3S)-3-amino-2-hydroxy-4-phenylbutyl]-N-isobutyl-4-nitrobenzenesulfonamide hydrochloride	244634-31-9
(2R)-2-aminopropan-1-ol	35320-23-1
1-(3,5-difluorophenyl)propan-1-one	135306-45-5
Diethylphosphoryl-(Z)-2-(2-aminothiazol-4-yl)-2-(tert-butoxycarbonyl-isopropoxy)iminoacetate	179258-52-7
N-(2-Benzoyl-phenyl)-L-tyrosine methyl ester	196810-09-0
Bis(N-methyl-N-phenylhydrazine) sulfate	618-26-8
4-Hydroxy-2-oxo-1,2,5,6-tetrahydropyridine-3-carboxylic acid methyl ester sodium salt	198213-15-9
1-[[[6R,7R)-7-amino-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]pyridinium iodide	100988-63-4
(4S,5R,6R)-5-Acetylamino-4-azido-6-(1S,2R,3-triacetoxypropyl)-5,6-dihydro-4H-pyran-2-carboxylic acid methyl ester hydrate	130525-58-5
2-(5-Methyl-2-phenyl-oxazol-4-yl)ethanol	103788-65-4
[4-(methylthio)phenyl]acetic acid	16188-55-9
tert-Butyl (diethoxyphosphoryl)acetate	27784-76-5
4,6-Difluoroindan-1-one	162548-73-4
(2-oxo-1-phenylpyrrolidin-3-yl)(triphenyl)phosphonium bromide	148776-18-5

Table 3
Pharmaceutical intermediates proposed for addition to the Pharmaceutical Appendix

Product name	CAS No.
2-acetamido-2-deoxy-, beta-D-Mannopyranose	7772-94-3
2-Bromo-4'-hydroxy-3'-(hydroxymethyl)acetophenone	62932-94-9
[4-(methylsulfonyl)phenyl]acetic acid	90536-66-6
Dihydroxyacetic acid, 2S-isopropyl-5R-methyl-1R-cyclohexyl ester	111969-64-3
(4-Hydrazinophenyl)-N-methylmethanesulfonamide hydrochloride	88933-16-8
1-(2,4-Difluorophenyl)-2-(1H-1,2,4-triazol-1-yl)-1-ethanone	86404-63-9
(2R,3SR)-3-(6-chloro-5-fluoro-4-pyrimidinyl)-2-(2,4-difluorophenyl)-1-(1H-1,2,4-triazol-1-yl)-2-butanol hydrochloride	188416-20-8
2-Ethoxy-5-(4-ethyl-1-piperazinylsulfonyl)nicotinic acid	247582-73-6
(25S)-25-cyclohexyl-5-O-demethyl-25-de(1-methylpropyl)-22,23-dihydroavermectin A _{1a}	142680-85-1
(25S)-25-cyclohexyl-5-demethoxy-25-de(1-methylpropyl)-22,23-dihydro-5-oxoavermectin A _{1a}	220119-16-4
4-Chloro-6-ethyl-5-fluoropyrimidine	137234-74-3
4-(1-Bromoethyl)-6-chloro-5-fluoropyrimidine	188416-28-6
(S)-2-[1-[2,3-Dihydrobenzofuran-5-yl]ethyl]-3-pyrrolidinyl]-2,2-diphenylacetoneitrile	252317-48-9
N-methyl-4-nitro-N-[2-(4-nitrophenoxy)ethyl]phenethylamine	115287-37-1
4-Amino-N-[2-(4-aminophenoxy)ethyl]-N-methylphenylethylamine	115256-13-8
(R)-1-Acetyl-3-(1-methyl-2-pyrrolidinylmethyl)-5-[(E)-2-(phenylsulfonyl)vinyl]-1H-indole	188113-71-5
(R)-3-(1-Methyl-2-pyrrolidinylmethyl)-5-[(E)-2-(phenylsulfonyl)vinyl]-1-indole	180637-89-2
4-[2-Ethoxy-5-(4-methyl-1-piperazinylsulfonyl)benzamido]-1-3-propyl-1H-pyrazole-5-carboxamide	200575-15-1
[2R-(2R*,3S*,4R*,5R*,8R*,10R*,11R*,12S*,13S*,14R*)]-, 13-[(2,6-dideoxy-3-C-methyl-3-O-methyl-alpha-L-ribohexopyranosyl)oxy]-2-ethyl-3,4,10-trihydroxy-3,5,8,10,12,14-hexamethyl-11-[[3,4,6-trideoxy-3-(dimethylamino)-beta-D-xylo-hexopyranosyl]oxy]-1-Oxa-6-azacyclopentadecan-15-one	76801-85-9
2-Quinoxalinecarboxaldehyde 1,4-dioxide dimethyl acetal	32065-66-0
6,6-Dibromopenicillanic acid, 1,1-dioxide	76646-91-8
Carbamic acid 2-(2-chlorophenyl)-2-hydroxyethyl ester	194085-75-1
7-[2-(2-Amino-5-chloro-thiazol-4-yl)-2-hydroxyiminoacetyl]amino]-3-[3-(2-amino-ethylsulfonylmethyl)pyridin-4-ylsulfonyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid	189448-35-9
(2,6-Dimethylphenoxy)acetic acid	13335-71-2
N'-((1S)-1-[(2,5-Dioxopyrrolidin-1-yl)oxy]carbonyl)-2-methylpropyl)-N-methyl-N-[(2-isopropyl-1,3-thiazol-4-yl)methyl]urea	224631-15-6
(2S)-3-Methyl-2-(2-oxotetrahydropyrimidin-1(2H)-yl)butanoic acid	192725-50-1
5-Methoxy-2H-chromen-2-one	51559-36-5
3,4-di(1H-indol-3-yl)-1-methyl-1H-pyrrole-2,5-dione	113963-68-1
(2R)-1-[4-[(1aR,10bS)-1,1-difluoro-1,1a,6,10b-tetrahydrodibenzo[a,e]cyclopropa[c]cyclohepten-6-yl]-1-piperazinyl]-3-(5-quinolinyl)oxy]-2-propanol trihydrochloride	167465-36-3
(3S)-3-[2-[(Methylsulfonyl)oxy]ethoxy]-4-(trityloxy)butyl methanesulfonate	170277-77-7
6-(Benzyloxy)-3-bromo-2-(4-methoxyphenyl)-1-benzothiophene, 1-oxide	182133-09-1
(7S)-7-Methyl-5-(4-nitrophenyl)-7,8-dihydro-5H-[1,3]dioxolo[4,5-g]isochromene	196303-01-2
Blood-coagulation factor XI _{Va}	42617-41-4
4-[2-(1-piperidinyl)ethoxy]benzoyl chloride hydrochloride in the form of a solution in 1,2-dichloroethane	84449-81-0
N-(4-Amino-1-benzyl-3-hydroxy-5-phenyl-pentyl)-3-methyl-2-(2-oxo-tetrahydro-pyrimidin-1-yl)-butyramide; compound with 5-oxo-pyrrolidine-2-carboxylic acid	192726-06-0
(3Z)-4-(Aminomethyl)-3-pyrrolidinone O-methyloxime dihydrochloride	197143-35-4
[(2S)-7-iodo-4-methyl-3-oxo-2,3,4,5-tetrahydro-1H-1,4-benzodiazepin-2-yl]acetic acid	210288-67-8
{(2S)-4-methyl-7-[2-(methyloxy)-2-oxoethyl]-3-oxo-2,3,4,5-tetrahydro-1H-1,4-benzodiazepin-2-yl}acetic acid	193077-87-1
1-[3-(cyclopentyl)oxy]-4-(methyloxy)phenyl]-4-oxocyclohexanecarbonitrile	152630-47-2
Dimethyl 4-cyano-4-[3-(cyclopentyl)oxy]-4-(methyloxy)phenyl]heptanedioate	152630-48-3
2-[(Carboxyacetyl)amino]benzoic acid	53947-84-5

Table 3

Pharmaceutical intermediates proposed for addition to the Pharmaceutical Appendix

Product name	CAS No.
2-(4-Oxopentyl)-1H-isoindole-1,3(2H)-dione	3197-25-9
4-Methyl-2,6-bis(methoxy)-5-[[3-(trifluoromethyl)phenyl]oxy]-8-quinolinamine	106635-86-3
4-Methyl-2,6-bis(methoxy)-8-nitro-5-[[3-(trifluoromethyl)phenyl]oxy]quinoline	189746-15-4
5-Chloro-4-methyl-2,6-bis(methoxy)-8-nitroquinoline	189746-21-2
5-Chloro-4-methyl-2,6-bis(methoxy)quinoline	189746-19-8
4-Methyl-2,6-bis(methoxy)quinoline	6340-55-2
4-Methyl-6-(methoxy)-2(1H)-quinolinone	5342-23-4
Methyl (1S,2S)-1-(1,3-benzodioxol-5-yl)-3-[2-hydroxy-4-(methoxy)phenyl]-5-(propyloxy)-2,3-dihydro-1H-indene-2-carboxylate	167256-05-5
Methyl (1S,2S)-1-(1,3-benzodioxol-5-yl)-3-[4-(methoxy)-2-[(phenylmethyl)oxy]phenyl]-5-(propyloxy)-2,3-dihydro-1H-indene-2-carboxylate	191106-49-7
[2-Bromo-5-(propyloxy)phenyl][2-hydroxy-4-(methoxy)phenyl]methanone	190965-45-8
(R)-(-)-alpha-(p-Chlorophenyl)-4-(p-fluorobenzyl)-1-piperidineethanol	127293-57-6
(R)-(-)-alpha-(p-Chlorophenyl)-4-(p-fluorobenzyl)-1-piperidineethanol HCl salt	178460-82-7
1-[2-(4-phenylphenyl)ethyl]-4-[3-(trifluoromethyl)phenyl]-1,2,5,6-tetrahydropyridine, hydrochloride	188396-54-5
N-(1-[2-[2-(3,4-difluorophenyl)-4-(phenylcarbonyl)morpholin-2-yl]ethyl]-4-phenyl(4-piperidyl))(dimethylamino)carboxamide, hydrochloride	181640-09-5
1-ethyl-9-methoxy-2,3,5,6,7-pentahydropyridino[2,1-a]beta-carbolin-4-one	244080-24-8
N-[(1-[[2-(diethylamino)ethyl]amino]-8-methoxy-10-oxobenzo[e]benzo[2,3-beta]thiin-4-yl)methyl]carboxamide	155990-20-8
2-(2-[N-[4-(4-chloro-2,5-dimethoxyphenyl)-5-(2-cyclohexylethyl)(1,3-thiazol-2-yl)]carbamoyle]-5,7-dimethylindolyl)acetic acid, potassium salt	221671-63-2
[3-(2-amino-1-hydroxyethyl)-4-fluorophenyl](methylsulfonyl)amine	137431-02-8
3-(2-amino-1-hydroxyethyl)-4-methoxybenzenesulfonamide	189814-01-5
3-(Methoxymethyl)-7-(4,4,4-trifluorobutoxy)-4,5,10,3a-tetrahydro-3H,3aH-1,3-oxazolidino[3,4-a]quinolin-1-one	176773-87-8
(5S)-5-(Methoxymethyl)-3-[6-(4,4,4-trifluorobutoxy)benzo[d]isoxazol-3-yl]-1,3-oxazolidin-2-one	185835-97-6
N-(3,4-dichlorophenyl)-N-[3-(indan-2-ylmethylamino)propyl]-2,5,6,7,8-tetrahydronaphthylcarboxamide	170361-49-6
7,8-Dihydro-6-oxa-1,8a-diazaacenaphthylene-2-carboxylic acid 8-methyl-8-aza-bicyclo[3.2.1]oct-3-yl ester	223570-85-2
N-[(2R)-1,4-diazabicyclo[2.2.2]oct-2-yl)methyl](8-amino-7-chloro(2H,3H-benzo[e]1,4-dioxan-5-yl))carboxamide	186348-69-6
5-(8-amino-7-chloro(2H,3H-benzo[e]1,4-dioxan-5-yl))-3-[1-(2-phenylethyl)(4-piperidyl)]-1,3,4-oxadiazolin-2-one	191023-43-5
2-{7-fluoro-2-oxo-4-[2-(4-thiopheno[3,2-c]pyridin-4-yl)piperazinyl]ethyl}hydroquinolyl]acetamide	189003-92-7
6-Fluoro-9-methyl-2-phenyl-4-(pyrrolidinylcarbonyl)-2-hydro-beta-carbolin-1-one	205881-86-3
2-({3-[5-(6-methoxynaphthyl)(1,3-dioxan-2-yl)]propyl}methylamino)-N-methylacetamide	192201-93-7
N-1-(tert-butoxycarbonyl)-N-2-[4-(pyridin-2-yl)benzyl]hydrazine	198904-85-7
N-(tert-butoxycarbonyl)-2(S)-amino-1-phenyl-2(R)-3,4-epoxybutane	98760-08-8
N-methoxycarbonyl-L-tert-leucine	162537-11-3
N-1-(tert-butoxycarbonyl)-N-2-[2(S)-hydroxy-3(S)-(tert-butoxycarbonyl)-4-phenylbutyl]-N-2-[4-(pyridin-2-yl)benzyl]hydrazine	198904-86-8
Cephalosporin D dicyclohexylamine salt	54122-50-8
(R*,S*)-(+/-)-((4-phenylbutyl)[1-(propionyloxy)isobutoxy]phosphinyl)acetic acid	123599-82-6
1,4-Dithia-7-azaspiro[4.4]nonane-8-carboxylic acid, hydrobromide	75776-79-3
3-Methylpyridine-2-carboxylic acid	4021-07-2
5-(4-fluorophenyl)-5-oxopentanoic acid	149437-76-3
4-[[4-(4-fluorophenyl)imino]methyl]phenol	3382-63-6
(4S)-3-[(5R)-5-(4-fluorophenyl)-5-hydroxypentanoyl]-4-phenyl-1,3-oxazolidin-2-one	189028-95-3
5-Bromotryptophan	6548-09-0
Tert-Butyl(6-{2-[4-(4-fluorophenyl)-6-isopropyl-2-[methyl(methanesulfonyl)amino]pyrimidin-5-yl]vinyl}(4R,6S)-2,2-dimethyl[1,3]dioxan-4-yl) acetate	289042-12-2

Table 3

Pharmaceutical intermediates proposed for addition to the Pharmaceutical Appendix

Product name	CAS No.
(3R)-N-methyl-3-phenyl-3-[4-(trifluoromethyl)phenoxy]-1-propanamine hydrochloride	114247-09-5
methyl (2R)-2-amino-3-(1H-indol-3-yl)propanoate hydrochloride	14907-27-8
Sodium ({3-[amino(oxo)acetyl]-1-benzyl-2-ethyl-1H-indol-4-yl}oxy)acetate	172733-42-5
2-Amino-bicyclo[3.1.0]hexane-2,6-dicarboxylic acid; hydrate	209216-09-1
tert-Butyl (4S)-4-ethyl-4,6-dihydroxy-3,10-dioxo-3,4,8,10-tetrahydro-1H-pyrano[3,4-f]indolizine-7-carboxylate	183434-04-0
(4S)-4,11-diethyl-4,9-dihydroxy-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione	86639-52-3
(3alphaR, 4R, 5R, 6alphaS)-5-Hydroxy-4-[(3R)-3-hydroxy-5-phenylpentyl]hexahydro-2H-cyclopenta[b]furan-2-one	145667-75-0
1-Benzyl-4H-imidazo[4,5,1-ij]quinolin-2(1H)-one	227025-33-4
(5R,6R)-1-benzyl-5-hydroxy-6-(methylamino)-5,6-dihydro-4H-imidazo[4,5,1-ij]quinolin-2(1H)-one	269731-84-2
3-[(2S,3S)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-phenylbutanoyl]-5,5-dimethyl-N-(2-methylbenzyl)-1,3-thiazolidine-4-carboxamide	186538-00-1
(2S)-3-chloropropane-1,2-diol	60827-45-4
Methyl (2R)-3-[2-[(5R)-3-(4-cyanophenyl)(4,5-dihydroisoxazol-5-yl)]acetamino]-2-(butoxycarbonylamino)propanoate	188016-51-5
3-[(1R)-1-phenylethyl](4S)-6-chloro-4-(2-cyclopropylethynyl)-4-(trifluoromethyl)-1,3,4-trihydroquinazolin-2-one	247565-04-4
4-[(1E)-2-cyclopropylvinyl](4S)-6-chloro-4-(trifluoromethyl)-1,3,4-trihydroquinazolin-2-one	214287-99-7
4-amino-1-[(2R,5S)-2,5-dihydro-5-(hydroxymethyl)-2-furanyl]-5-fluoro-2-(1H)-pyrimidone	134379-77-4
(4S)-6-chloro-4-(2-cyclopropylethynyl)-4-(trifluoromethyl)-1,3,4-trihydroquinazolin-2-one	214287-88-4
2-(Benzyloxymethyl)-4-isopropyl-1H-imidazole	178982-67-7
5-[3,5-dichlorophenyl]thio]-4-(1-methylethyl)-1-(4-pyridinylmethyl)-1H-imidazole-2-methanol	178981-89-0
2-(2-chloro-4-iodophenylamino)-N-(cyclopropylmethoxy)-3,4-difluorobenzamide	212631-79-3
6-(2-(4-(4-fluorobenzyl)piperidin-1-yl)ethylsulfanyl)benzo[d]oxazol-2(3H)-one	253450-09-8
tert-butyl (2-((4,5-dihydro-5-oxo-1,2,4-oxadiazol-3-yl)methyl)cyclohexyl)methylcarbamate	227626-65-5
3-((2-(aminomethyl)cyclohexyl)methyl)-1,2,4-oxadiazol-5(4H)-one	227625-35-6
3,4'-Dichloro-2'-[(5-chloro-2-pyridyl)carbonyl]-6'-methoxy-4-[(2-methylamino-1H-imidazol-1-yl)methyl]thiophene-2-carboxanilide	229336-92-9
(1aR,10bS)-1,1-difluoro-1,1,1a,6,10b-tetrahydrodibenzo[a,e]cyclopropa[c]cyclohepten-6-ol	167155-76-2
(2S)-2-([3]({tert-butoxycarbonyl}amino)-2,2-dimethylpropanoyl)oxy)-4-methylpentanoic acid	186193-10-2
(3S,10R,16S)-10-(3-Chloro-4-methoxybenzyl)-3-isobutyl-6,6-dimethyl-16-[(1S)-1-[(2R,3R)-3-phenyloxiranyl]ethyl]-1,4,dioxo-8,11,diazacyclohexadec-13-ene-2,5,9,12-tetrone	204990-60-3
3-Amino-2-pyrazinecarboxylic acid	5424-01-1
Methyl 3-amino-2-pyrazinecarboxylate	16298-03-6
2,4(3H,8H)-Pteridinedione	487-21-8
1-(2,3-Dichloro-4-hydroxyphenyl)-1-butanone	2350-46-1
[(4-Butanoyl-2,3-dichlorophenyl)oxy]acetic acid	1217-67-0
(1R)-1-Hydroxy-1-(3-hydroxyphenyl)-2-propanone	82499-20-5
N-[2-Chloro-3-(dimethylamino)-2-propenylidene]-N-methylmethanaminium hexafluorophosphate	249561-98-6
1-(6-Methyl-3-pyridinyl)-2-[4-(methylsulfonyl)phenyl]ethanone	221615-75-4
3-[[4(4S)-4-Sulfanyl-L-prolyl]amino]benzoic acid monohydrochloride	219909-83-8
(1R)-1-[3,5-Bis(trifluoromethyl)phenyl]ethanol	127852-28-2
(1R)-1-[3,5-Bis(trifluoromethyl)phenyl]ethanol as a solution in acetonitrile	127852-28-2
4-(1H-1,2,4-Triazol-1-ylmethyl)phenylamine	119192-10-8
2-[5-(1H-1,2,4-Triazol-1-ylmethyl)-1H-indol-3-yl]ethanol	160194-39-8
2-Bromo-1-[4-(methylsulfonyl)phenyl]ethanone	50413-24-6
4-(4-Chloro-1,2,5-thiadiazol-3-yl)morpholine	30165-96-9
4-(4-Chloro-1,2,5-thiadiazol-3-yl)morpholine as a solution in toluene	30165-96-9
[(5S)-3-(1,1-Dimethylethyl)-2-phenyl-1,3-oxazolidin-5-yl]methanol	194861-99-9

Table 3

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Product name	CAS No.
N-(Butylsulfonyl)-O-[4-(4-pyridinyl)butyl]-L-tyrosine	149490-61-9
N-(Butylsulfonyl)-L-tyrosine	149490-60-8
Mixture of sennoside A and B	517-43-1
Mixture of sennoside A and B calcium salts	52730-36-6
Mixture of sennoside A and B calcium salts	52730-37-7
(2-Mercapto-4-methyl-thiazol-5-yl)acetic acid	34272-64-5
2,4-Dichloro-5-methanesulfonylbenzoic acid	2736-23-4
1-[[[(6R,7R)-7-[(Z)-2-(5-Amino-1,2,4-thiadiazol-3-yl)-2-(methoxyimino)acetylamino]-2-carboxylat-8-oxo-5-thia-l-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]imidazo[1,2-b]pyridazin-4-ium monohydrochloride	197897-11-3
Diphenylmethyl (6R,7R)-3-methylsulfonyloxy-8-oxo-7-phenylacetylamino-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate	92096-37-2
Diphenylmethyl (6R,7R)-7-amino-3-methanesulfonyloxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate monohydrochloride	127111-98-2
Diphenylmethyl (6R,7R)-7-[(Z)-2-(2-tert-butoxycarbonylaminothiazol-4-yl)-2-(triphenylmethoxyimino)acetamido]-8-oxo-3-(1H-1,2,3-triazol-4-yl)thiomethylthio-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate	140128-37-6
N-alpha-9-Fluorenylmethoxycarbonyl-L-alanine	35661-39-3
N-alpha-Fluorenylmethoxycarbonyl-N-beta-trityl-L-asparagine	132388-59-1
N-alpha-Fluorenylmethoxycarbonyl-L-leucine	35661-60-0
N-alpha-9-Fluorenylmethoxycarbonyl-L-aspartic acid beta-t-butyl ester	71989-14-5
N-alpha-9-Fluorenylmethoxycarbonyl-L-glutamic acid gamma-t-butyl ester	71989-18-9
N-alpha-9-Fluorenylmethoxycarbonyl-N-gamma-trityl-L-glutamine	132327-80-1
N-alpha-9-Fluorenylmethoxycarbonyl-L-glutamine	71989-20-3
N-alpha-9-Fluorenylmethoxycarbonyl-N-im-trityl-L-histidine	109425-51-6
N-alpha-9-Fluorenylmethoxycarbonyl-L-isoleucine	71989-23-6
N-alpha-9-Fluorenylmethoxycarbonyl-N-alpha-t-butylloxycarbonyl-L-lysine	71989-26-9
Dithiothreitol	3483-12-3
L-Glutamine, N-acetyl-O-(1,1-dimethylethyl)-L-tyrosyl-O-(1,1-dimethylethyl)-L-threonyl-O-(1,1-dimethylethyl)-L-seryl-L-leucyl-L-isoleucyl-1-(triphenylmethyl)-L-histidyl-O-(1,1-dimethylethyl)-L-seryl-L-leucyl-L-isoleucyl-L-.alpha.-glutamyl-L-.alpha.-glutamyl-O-(1,1-dimethylethyl)-L-seryl-N-trityl-L-glutamyl-N-trityl-L-asparaginy-N-trityl-L-glutamyl-, 10,11-bis(1,1-dimethylethyl) ester	244191-88-6
L-Leucine, N-[(9H-fluoren-9-ylmethoxy)carbonyl]-L-.alpha.-glutamyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-N-trityl-L-asparaginy-N-.alpha.-glutamyl-N-trityl-L-glutamyl-N-trityl-L-.alpha.-glutamyl-L-leucyl-L-leucyl-L-.alpha.-glutamyl-, 1,4,6,9-tetrakis(1,1-dimethylethyl) ester	244191-94-4
L-Tryptophan, N-[(9H-fluoren-9-ylmethoxy)carbonyl]-L-.alpha.-aspartyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-L-alanyl-O-(1,1-dimethylethyl)-L-seryl-L-leucyl-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-N-trityl-L-asparaginy-1-[(1,1-dimethylethoxy)carbonyl]-, 1-(1,1-dimethylethyl) ester	244191-96-6
L-Phenylalaninamide, L-.alpha.-aspartyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-L-alanyl-O-(1,1-dimethylethyl)-L-seryl-L-leucyl-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-N-trityl-L-asparaginy-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-, 1,1-dimethylethyl ester	244191-95-5
L-Phenylalaninamide, N-[(9H-fluoren-9-ylmethoxy)carbonyl]-L-.alpha.-glutamyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-N-trityl-L-asparaginy-N-.alpha.-glutamyl-N-trityl-L-glutamyl-N-trityl-L-.alpha.-glutamyl-L-leucyl-L-leucyl-L-.alpha.-glutamyl-L-leucyl-L-.alpha.-aspartyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-L-alanyl-O-(1,1-dimethylethyl)-L-seryl-L-leucyl-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-N-trityl-L-asparaginy-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-, pentakis(1,1-dimethylethyl) ester	244244-29-9
L-Phenylalaninamide, L-.alpha.-glutamyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-N-trityl-L-asparaginy-N-.alpha.-	244244-31-3

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Product name	CAS No.
glutamyl-N-trityl-L-glutamyl-L-.alpha.-glutamyl-L-leucyl-L-leucyl-L-.alpha.-glutamyl-L-leucyl-L-.alpha.-aspartyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-L-alanyl-O-(1,1-dimethylethyl)-L-seryl-L-leucyl-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-N-trityl-L-asparagyl-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-, pentakis(1,1-dimethylethyl) ester, monohydrochloride	
L-Phenylalaninamide, N-acetyl-O-(1,1-dimethylethyl)-L-tyrosyl-O-(1,1-dimethylethyl)-L-threonyl-O-(1,1-dimethylethyl)-L-seryl-L-leucyl-L-isoleucyl-1-trityl-L-histidyl-O-(1,1-dimethylethyl)-L-seryl-L-leucyl-L-isoleucyl-L-.alpha.-glutamyl-L-.alpha.-glutamyl-O-(1,1-dimethylethyl)-L-seryl-N-trityl-L-glutamyl-N-trityl-L-asparagyl-N-trityl-L-glutamyl-L-glutamyl-L-.alpha.-glutamyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-N-trityl-L-asparagyl-L-.alpha.-glutamyl-N-trityl-L-glutamyl-L-.alpha.-glutamyl-L-leucyl-L-leucyl-L-.alpha.-glutamyl-L-leucyl-L-.alpha.-aspartyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-L-alanyl-O-(1,1-dimethylethyl)-L-seryl-L-leucyl-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-N-trityl-L-asparagyl-1-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-, heptakis(1,1-dimethylethyl) ester	244244-26-6
N-alpha-Fluorenylmethoxycarbonyl-O-t-butyl-L-serine	71989-33-8
N-alpha-Fluorenylmethoxycarbonyl-O-t-butyl-L-threonine	71989-35-0
N-alpha-Fluorenylmethoxycarbonyl-N-in-t-butylloxycarbonyl-L-tryptophan	143824-78-6
N-alpha-Fluorenylmethoxycarbonyl-O-t-butyl-L-tyrosine	71989-38-3
L-Phenylalanine amide	65864-22-4
N-Hydroxy-7-azabenzotriazole	39968-33-7
3,5,9-trioxa-4-phosphaheptacosan-1-aminium,4-hydroxy-7-methoxy-N,N,N-trimethyl-, inner salt, 4-oxide, (R)-	77286-66-9
9, 11, 15-trioxa-6-aza-10-phosphatritriacont-24-enoic acid, 10-hydroxy-5, 16-dioxo-13-[(9Z)-1-oxo-9-octadecenyl]oxy-, 10-oxide, (13R,24Z-	228706-30-7
3,5,9-Trioxa-4-phosphaheptacos-18-en-1-aminium, 4-hydroxy-N,N,N-trimethyl-10-oxo-7-[(9Z)-1-oxo-9-octadecenyl]oxy-, inner salt, 4-oxide, (7R,18Z)-	4235-95-4
(2R,3S)-2-[(1R)-1-[3,5-bis(trifluoromethyl)phenyl]ethoxy]-3-(4-fluorophenyl)morpholine hydrochloride	171482-05-6
2-Hydroxy-4-(phenylmethyl)-3-morpholinone	287930-73-8
(2R)-2-[(1R)-1-[3,5-Bis(trifluoromethyl)phenyl]ethyl]oxy]-4-(phenylmethyl)-3-morpholinone	287930-75-0
(1S)-1-[3-[(E)-2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]-1-propanol	287930-77-2
Methyl 2-[(3S)-3-[3-[(E)-2-(7-chloro-2-quinolinyl)ethenyl]phenyl]-3-hydroxypropyl]benzoate monohydrate	287930-78-3
5-[(2,4-Dioxo-1,3-thiazolidin-5-yl)methyl]-2-(methoxy)-N-[[4-(trifluoromethyl)phenyl]methyl]benzamide	213252-19-8
[(1S,4R)-4-Aminocyclopent-2-en-1-yl]methanol hydrochloride	168960-19-8
(4-Phenylbutyl)-phosphinic acid	86552-32-1
4-Cyclohexyl-pyrrolidine-2-carboxylic acid	103201-78-1
2-Methyl-2-phenyl-propionic acid ethyl ester	2901-13-5
1H-Pyrrolizine-1,7-dicarboxylic acid, 2,3-dihydro-, 1-methyl ester	92992-17-1
6,6-Dimethyl-2(E)-Hepten-4-yn-1-ol	173200-56-1
5-amino-2,4,6-triiodo-3-(N-2-hydroxyethyl) carbamoyl benzoic acid	22871-58-5
(R)-2-Benzyloxycarbonylamino-3-phenylsulfanylpropionic acid methyl ester	153277-33-9
(1S,5R,6S)-5-(1-Ethylpropoxy)-7-oxabicyclo[4.1.0]hept-3-ene-3-carboxylic acid ethyl ester	204254-96-6
(3R,4S,5R)-5-Azido-3-(1-ethylpropoxy)-4-hydroxy-cyclohex-1-enecarboxylic acid ethyl ester	204254-98-8
(1R,5R,6R)-5-(1-Ethylpropoxy)-7-aza-bicyclo[4.1.0]hept-3-ene-3-carboxylic acid ethyl ester	204255-02-7
(3R,4R,5S)-4-Acetylamino-5-azido-3-(1-ethylpropoxy)cyclohex-1-enecarboxylic acid ethyl ester	204255-06-1
(2S)-hydroxy(phenyl)ethanoic acid compound with (1S)-3-(dimethylamino)-1-(2-thienyl)-1-propanol (1:1)	287737-72-8
(2S-3R)-4-Dimethylamino-3-methyl-1,2-diphenylbutan-2-ol in the form of a solution in toluene	38345-66-3
Benzyl (1S,2R)-1-carbamoyl-2-hydroxypropylcarbamate	49705-98-8
Methanesulfonic acid 2-benzyloxycarbonylamino-2-carbamoyl-1-methyl-ethyl ester	80082-51-5
1-Butanaminium, N,N,N-tributyl-, salt with (2S-trans)-2-methyl-4-oxo-3-[(phenylmethoxy)carbonyl]amino]-1-azetidinesulfonic acid (1:1)	80082-62-8
(2S,3S)-3-amino-2-methyl-4-oxoazetidine-1-sulfonic acid	80082-65-1

Table 3

Pharmaceutical intermediates proposed for addition to the Pharmaceutical Appendix

Product name	CAS No.
Potassium 3-[2-(2-formylaminothiazol-4-yl)-2-oxoacetylamino]-2-methyl-4-oxoazetidine-1-sulfonate	88023-65-8
(2S,4S)-4-phenylpyrrolidine-2-carboxylic acid	96314-26-0
1-Bromo-2-methyl propyl propionate	158894-67-8
1-Benzoyl-4-hydroxy-pyrrolidine-2-carboxylic acid	31560-19-7
1-Benzoyl-4-hydroxy-pyrrolidine-2-carboxylic acid methyl ester	31560-20-0
(Cis)-1-Benzoyl-4-[(4-methylsulfonyl)oxy]-L-proline	120807-02-5
(R)-5-(1,3,6,2-dioxazaborocan-2-yl)-1-methyl-2-tritylisoindoline	223595-20-8
Ethyl 7-bromo-1-cyclopropyl-8-(difluoromethoxy)-1,4-dihydro-4-oxoquinoline-3-carboxylate	194805-07-7
Ethyl 1-cyclopropyl-8-(difluoromethoxy)-1,4-dihydro-7-((1R)-1-methyl-2-tritylisoindolin-5-yl)-4-oxoquinoline-3-carboxylate	194804-45-0
4-(Nitroxy)butyl (2S)-2-(6-methoxy-2-naphthyl)propanoate	163133-43-5
5-(3-Chloropropyl)-3-methylisoxazole	130800-76-9
Phenol, 2, 2'-[(4-hydroxyphenyl)methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino]methyl]-	235106-62-4
4-Amino-5-chloro-2-methoxy-N-(3-methoxy-piperidin-4-yl)-benzamide	221180-26-3
(2-Chlorophenyl)acetic acid	2444-36-2
(2R)-2-(2-chlorophenyl)-2-hydroxyethanoic acid	52950-18-2
2-thienylacetonitrile	20893-30-5
2,2-Dimethylpropionyloxymethyl(6R,7R)-7-[(2Z)-[2-[[[2]-[[[1,1-dimethylethoxy]carbonyl]amino]-4-thiazolyl](methoxyimino)acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]octa-2-ene-2-carboxylate	135790-89-5
(6R,7R)-7-Amino-8-oxo-5-thia-1-azabicyclo[4.2.0]octa-2-ene-2-carboxylic acid	36923-17-8
Diphenylmethyl(2S,5R)-6,6-dibromo-3,3-dimethyl-7-oxo-4-thia-1-[3.2.0]heptane-2-carboxylate 4-oxide	113891-01-3
1-(2,3-Dichlorophenyl) piperazine	119532-26-2
2-(2S,3R)-2-(1S)-2-[(4-Chlorophenyl)sulfanyl]-1-methyl-2-oxoethyl-3-[(1S)-1-hydroxyethyl]-4-oxoazetanylacetic acid	105318-28-3
3-(Methylphenylamino)-2-propenal	14189-82-3
N,N'-Bis(phenylmethyl)-1,2-ethanediamine diacetate	140-28-3
5,6,7,8-Tetrahydroquinoline	10500-57-9
O-[(2Z)-2-(2-Amino-1,3-thiazol-4-yl)-2-(methoxyimino)ethanoyl] 0,0-diethyl thiophosphate	162208-27-7
Sodium (2R)-cyclohexa-1,4-dien-1-yl {[(1E)-1-(methoxycarbonyl)prop-1-enyl]amino}acetate	26774-89-0
(2R)-2-Amino-2-phenylacetamide	6485-67-2
{[(6-Ethyl-4,5-dioxohexahydropyridazin-3-yl)carbonyl]amino}(4-hydroxyphenyl)acetic acid	62893-24-7
N-[2-Fluoro-5-({3-[(E)-2-pyridin-2-ylvinyl]-1H-indazol-6-yl}amino)phenyl]-1,3-dimethyl-1H-pyrazole-5-carboxamide	319460-94-1
N-Methyl-2-({3-[(E)-2-pyridin-2-ylvinyl]-1H-indazol-6-yl}thio)benzamide	319460-85-0
8-Fluoro-2-{4-[(methylamino)methyl]phenyl}-1,3,4,5-tetrahydro-6H-azepino[5,4,3-cd]indol-6-one	283173-50-2
2-Oxo-bicyclo[3.1.0]hexane-6-carboxylic acid ethyl ester	134176-18-4
4-[2-(2-amino-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl]benzoic acid	137281-39-1
(3S)-3-{2-[(Methylsulfonyl)oxy]ethoxy}-4-(trityloxy)butyl methanesulfonate in the form of a solution in N,N-dimethyl-Formamide	170277-77-7 & 68-12-2
8,10-Dioxospiro[bicyclo[3.1.0]hexane-2,5'-imidazolidine]-6-carboxylic acid	186462-71-5
3-(Methylamino)-1-phenyl-1-propanol	42142-52-9
4-[2-(1-piperidinyl)ethoxy]benzoyl chloride hydrochloride	84449-81-0
(2S)-2-[(S)-(2-ethoxyphenoxy)(phenyl)methyl]morpholine	98819-76-2
(1S,4R)-4-Hydroxycyclopent-2-en-1-yl acetate	60176-77-4
(2R,3S,5S)-5-(4-(Benzoylamino)-2-oxo-1(2H)-pyrimidinyl)-2-[[bis(4-methoxyphenyl)(phenyl)methoxy]methyl]tetrahydrofuranyl 2-cyanoethyl diisopropylamidophosphite	102212-98-6
(2R,3S,5S)-2-[[bis(4-methoxyphenyl)(phenyl)methoxy]methyl]-5-[2-(isobutrylamino)-6-oxo-1,6-dihydro-9H-purin-9-yl]tetrahydrofuranyl 2-cyanoethyl diisopropylamidophosphite	93183-15-4
(2R,3S,5S)-2-[[bis(4-methoxyphenyl)(phenyl)methoxy]methyl]-5-(5-methyl-2,4-dioxo-3,4-dihydro-1(2H)-	98796-51-1

Table 3

Pharmaceutical intermediates proposed for addition to the Pharmaceutical Appendix

Product name	CAS No.
pyrimidinyl)tetrahydrofuranyl 2-cyanoethyl-diisopropylamidophosphite	
(2R,3S,5S)-5-[6-(Benzoylamino)-9H-purin-9-yl]-2-[[bis(4-methoxyphenyl)(phenyl)methoxy]methyl]tetrahydrofuranyl 2-cyanoethyl-diisopropylamidophosphite	98796-53-3
(±)-N-[1-Cyano-2-(4-hydroxyphenyl)-1-methylethyl]acetamide	31915-40-9
2-Pyrimidinecarbonitrile	14080-23-0
Dimethyl (o-methoxyphenoxy)malonate	(none)
1-(4-Fluorobenzyl)-2-chlorobenzimidazole hydrochloride	84946-20-3
4-Amino-1-carbethoxypiperidine	58859-46-4
1-(4-chlorophenyl)cyclobutanecarbonitrile	28049-61-8
(1R)-1-[1-(4-chlorophenyl)cyclobutyl]-3-methylbutan-1-amine with (2S,3S)-2,3-dihydroxysuccinic acid	259729-93-6
3-Ethyl 5-methyl 2-[(2-aminoethoxy)methyl]-4-(2-chlorophenyl)-6-methyl-1,4-dihydropyridine-3,5-dicarboxylate	103129-82-4
(2S)-Cyclohexyl(hydroxy)phenylacetic acid	20585-34-6
Cyclohexyl(hydroxy)phenylacetic acid	4335-77-7
1,3-Benzenedimethanol, 1-[[[(1,1-dimethylethyl)amino]methyl]-4-(phenylmethoxy)-	56796-66-8
4-[(1R)-2-(tert-Butylamino)-1-hydroxyethyl]-2-(hydroxymethyl)phenol hydrochloride	50293-90-8
(1R)-2-(tert-butylamino)-1-[4-(benzyloxy)-3-(hydroxymethyl)phenyl]ethanol	174607-68-2
1-[4-(Benzyloxy)-3-nitrophenyl]-2-bromoethanone	43229-01-2
(2S)-hydroxy(phenyl)acetic acid compound with (1R)-2-(4-methoxyphenyl)-1-methylethylamine (1:1)	188690-84-8
N1-[4-[4-(4-hydroxyphenyl)piperazino]phenyl]-1-[(1S,2S)-1-ethyl-2-methyl-3-phenoxypropyl]-1-hydrazinecarboxamide	345217-02-9
1-[1-(4-Chlorophenyl)cyclobutyl]-3-methylbutan-1-amine	84467-54-9
(1S)-1-[1-(4-Chlorophenyl)cyclobutyl]-3-methylbutan-1-amine with (2S,3S)-2,3-dihydroxysuccinic acid	389056-74-0
6-(5-Chloropyridin-2-yl)-5H-pyrrolo[3,4-b]pyrazine-5,7(6H)-dione	43200-82-4
6-(5-Chloropyridin-2-yl)-7-oxo-6,7-dihydro-5H-pyrrolo[3,4-b]pyrazin-5-yl piperazine-1-carboxylate	59878-63-6
N-[(2R,3S)-3-amino-2-hydroxy-4-phenylbutyl]-N-(2-methylpropyl)-4-aminobenzenesulfonamide	169280-56-2
3,10-Dibromo-8-chloro-5,6-dihydro-5H-benzo[5,6]cyclohepta[1,2-b]pyridine	272107-22-9
1-[2-[(tert-Butoxycarbonyl)piperidin-4-yl]acetyl]-4-mesyloxy piperidine	440634-25-3
4-(2-Piperidinoethoxy)benzaldehyde	26815-04-3
2',4'-Dihydroxy-2-(4-hydroxyphenyl)acetophenone	17720-60-4
1-[2-hydroxy-4-[(tetrahydro-2H-pyran-2-yl)oxy]phenyl]-2-[4-[(tetrahydro-2H-pyran-2-yl)oxy]phenyl]ethanone	130064-21-0
2-(Dimethylamino)-2-phenylbutan-1-ol	58997-87-8
2,3-Dimethyl-4-nitropyridine 1-oxide	37699-43-7
5-(chloromethyl)-1,2-dihydro-3H-1,2,4-triazol-3-one	252742-72-6
(2R,3R)-2-[(Benzoyloxy)methyl]-4,4-difluoro-5-oxotetrahydrofuranyl benzoate	122111-01-7
(2-Butyl-1H-imidazol-5-yl)methanol	68283-19-2
Thiophene-2-carboxaldehyde	98-03-3
2-Iodo-3,4-dimethoxy-6-nitrobenzonitrile	192869-10-6
6-Amino-2-iodo-3,4-dimethoxybenzonitrile	192869-24-2
N-(1,2,3,4-Tetrahydro-5-isoquinolyl)methanesulfonamide hydrochloride	210538-75-3
4-Amino-5-ethyl-1-(2-methoxyethyl)-1H-pyrazole-3-carboxamide	334828-10-3
N-[3-Carbamoyl-5-ethyl-1-(2-methoxyethyl)-1H-pyrazol-4-yl]-2-ethoxy-5-(4-ethyl-1-piperazinylsulfonyl)nicotinamide	334828-19-2
1-[6-Ethoxy-5-[3-ethyl-6,7-dihydro-2-(2-methoxyethyl)-7-oxo-2H-pyrazolo[4,3-d]pyrimidin-5-yl]-3-pyridylsulfonyl]-4-ethylpiperazine	334826-98-1
1-[6-Ethoxy-5-[3-ethyl-6,7-dihydro-2-(2-methoxyethyl)-7-oxo-2H-pyrazolo[4,3-d]pyrimidin-5-yl]-3-pyridylsulfonyl]-4-ethylpiperazine benzenesulfonate	334827-99-5
2-[4-(Methylthio)phenoxy]benzaldehyde	364323-64-8
N,N-Dimethyl-2-[4-(methylthio)phenoxy]benzylamine hydrochloride	289717-37-9

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Product name	CAS No.
3-[(Dimethylamino)methyl]-4-[4-(methylthio)phenoxy]benzenesulfonamide	364321-71-1
3-[(Dimethylamino)methyl]-4-[4-(methylthio)phenoxy]benzenesulfonamide (R,R)-tartrate	364323-49-9
Ethyl (S)-3-[(4,4-difluorocyclohexyl)carboxamido]-3-phenylpropanoate	376348-76-4
(S)-4,4-Difluoro-N-(3-hydroxy-1-phenylpropyl)cyclohexanecarboxamide	376348-77-5
(S)-4,4-Difluoro-N-(3-oxo-1-phenylpropyl)cyclohexanecarboxamide	376348-78-6
7,11-Methano-5H-cyclodeca [3,4]benz[1,2-b]oxet-5-one, 12beta-(acetyloxy)-12-(benzoyloxy)-1,2alpha,3,4,4alpha,6,9,10,11,12,12alpha,12beta-dodecahydro-9-11-trihydroxy-4alpha,8,13,13-tetramethyl-4-[(triethylsilyloxy)-, (2alphaR,4S,4alphaS,6R,9S,11S,12S,12alphaR,12betaS)-	115437-18-8
7,11-Methano-5H-cyclodeca [3,4]benz[1,2-beta]oxet-5-one, 6,12beta-bis(acetyloxy)-12-(benzoyloxy)-1,2alpha,3,4,4alpha,6,9,10,11,12,12alpha,12beta-dodecahydro-9-11-dihydroxy-4alpha,8,13,13-tetramethyl-4-[(triethylsilyloxy)-, (2alphaR,4S,4alphaS,6R,9S,11S,12S,12alphaR,12betaS)-	115437-21-3
Benzenepropanoic acid, .beta.,-(benzoylamino)-.alpha.-(1-methoxy-1-methylethoxy)-(2alphaR,4S,4alphaS,6R,9S,11S,12S,12alphaR,12betaS)-6,12-beta-bis(acetyloxy)-12-(benzoyloxy)-2alpha,3,4,4alpha,5,6,9,10,11,12,12-alpha,12beta-dodecahydro-11-hydroxy-4alpha,8,13,13-tetramethyl-5-oxo-4-[(triethylsilyloxy)-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl ester (.alpha.R.beta.S)-	149107-93-7
(3R, 4S)-rel-3-(Acetyloxy)-4-phenyl-2-azetidinone	133066-59-8
1-Benzoyl-3-(1-methoxy-1-methyl-ethoxy)-4-phenyl-azetidin-2-one	149107-92-6
D-Glucopyranose, 2,3,4,6-tetrakis-O-(phenylmethyl)	6564-72-3
Carbonic acid, 4-[(5R,5aR,8aR,9S)-5,5a,6,8,8a,9-hexahydro-6-oxo-9-[[2,3,4,6-tetrakis-O-(phenylmethyl)-.beta.-D-glucopyranosyl]oxy]furo[3',4':6,7]naphtho[2,3-d]-1,3-dioxol-5-yl]-2,6-dimethoxyphenyl phenylmethyl ester	270071-40-4
Uridine, 2'-bromo-2'-deoxy-5-methyl-, 3',5'-diacetate	110483-43-7
(S)-4-Benzyloxycarbonylamino-2-hydroxybutyric acid	40371-50-4
tert-Butyl (2S)-2-(hydroxymethyl)pyrrolidine-1-carboxylate	69610-40-8
1-(6-Amino-3,5-difluoropyridin-2-yl)-8-chloro-6-fluoro-7-(3-hydroxyazetidin-1-yl)-4-oxo-1,4-dihydroquinoline-3-carboxylic acid	189279-58-1
4-[(3-aminopyridin-2-yl)amino]phenol	78750-68-2
(2R,3R,4S)-4-(1,3-Benzodioxol-5-yl)-3-(ethoxycarbonyl)-2-(4-methoxyphenyl)pyrrolidinium (2S)-hydroxy(phenyl)acetate	195708-14-6
2-(4-Fluorophenyl)-4-(3-hydroxy-3-methylbutoxy)-5-[4-(methylsulfonyl)phenyl]pyridazin-3(2H)-one	221030-56-4
4'-Chloro-1,1'-biphenyl-4-carbaldehyde	80565-30-6
Ethyl 2-(3-formyl-4-isobutoxyphenyl)-4-methyl-1,3-thiazole-5-carboxylate	161798-03-4
Methyl N-[(benzyloxy)carbonyl]-L-valyl-D-isoleucylthreonyl-L-norvalinate	653574-13-1
L-Isoleucyl-L-arginyl-N-ethyl-L-prolinamide dihydrochloride	442526-89-8
N-Acetyl-N-methyl-glycyl-glycyl-L-valyl-D-isoleucyl-L-threonyl-L-norvalyl-L-isoleucyl-L-arginyl-N-ethyl-L-prolinamide acetate	251579-55-2
(+)-(S)-1-Phenyl-1,2,3,4-tetrahydroisoquinoline	118864-75-8
exo-8-Benzyl-3-(3-isopropyl-5-methyl-4H-1,2,4-triazol-4-yl)-8-azabicyclo[3.2.1]octane	423165-13-3
(Z)-5-[4-[2-(5-Ethyl-2-pyridyl)ethoxy]benzylidene]-2,4-thiazolidinedione	136401-69-9
(1S,2S,3R,4S,7R,9S,10S,12R,15S)-4,12-bis(acetyloxy)-15-(((2R,3S)-3-(benzoylamino)-2-[(4Z,7Z,10Z,13Z,16Z,19Z)-docosa-4,7,10,13,16,19-hexaenoxy]-3-phenylpropanoyl)oxy)-1,9-dihydroxy-10,14,17,17-tetramethyl-11-oxo-6-oxatetracyclo[11.3.1.0.3.10.04,7]heptadec-13-en-2-yl benzoate	199796-52-6
8-chloro-5-[(4Z,7Z,10Z,13Z,16Z,19Z)-docosa-4,7,10,13,16,19-hexaenoyl]-11-(4-methylpiperazin-1-yl)-5H-dibenzo[b,e][1,4]diazepine	225916-82-5
(6R,7R)-7-Amino-3-chloro-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid	53994-69-7
1,3,4-Thiadiazole-2-thiol	18686-82-3
6-chloro-4-(2-ethyl-1,3-dioxolan-2-yl)-2-methoxypyridin-3-yl]methanol	183433-66-1
Spiro[17H-cyclopenta[a]phenanthrene-17,2'(5'H)-furan], pregna-4,9(11)-diene-7,21-dicarboxylic acid deriv.	95716-70-4
1-(4,5-Dinitro-10-aza-tricyclo[6.3.1.0 ^{2,7}]dodeca-2(7),3,5-trien-10-yl)-2,2,2-trifluoro-ethanone	230615-59-5
tert-Butyl (S)-1,2,3,4-tetrahydro-3-isoquinolinecarboxylate tosylate	79276-06-5

Table 3

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Product name	CAS No.
1-((1R,3R,5R)-2,6-dioxo-bicyclo[3.2.0]heptan-3-yl)-5-methylpyrimidine-2,4(1H,3H)-dione	7481-90-5
[S-(R*,S*)]-[[2-Methyl-1-(1-oxopropoxy)propoxy](4-phenylbutyl)phosphinyl]acetic acid, cinchonidine (1:1) salt	467430-13-3
(2R,4alphaR,7R,8S,8alphaR)-7,8-bis(benzyloxy)hexahydro-2-methylpyrano[3,2-d][1,3]dioxin-6-ol	471863-88-4
9-(7,8-Bis-benzyloxy-2-methyl-hexahydropyrano[3,2-d][1,3]dioxin-6-yloxy)-5-(4-hydroxy-3,5-dimethoxyphenyl)-5,8,8alpha,9-tetrahydro-5alphaH-furo[3',4':6,7]naphtho[2,3-d][1,3]dioxol-6-one	473799-30-3
(R)-2-(2-amino-5-chlorophenyl)-4-cyclopropyl-1,1,1-trifluorobut-3-yn-2-ol, monohydrochloride salt	214353-17-0
1-(2-amino-5-chlorophenyl)-2,2,2-trifluoroethane-1,1-diol, methane sulfonic acid salt (1:1.5)	467426-34-2
(3R)-3-Aminopentanenitrile, monomethanesulfonate	474645-97-1
(2-Ethyl-6-trifluoromethyl-1,2,3,4-tetrahydro-quinolin-4-yl)-carbamic acid methyl ester	474645-93-7
1-{2-[4-(2-Bromo-6-methoxy-3,4-dihydro-naphthalen-1-yl)-phenoxy]ethyl}pyrrolidine	180915-95-1
1-{2-[4-(6-Methoxy-3,4-dihydronaphthalen-1-yl)phenoxy]ethyl}pyrrolidine	180915-94-0
4,4-Difluorocyclohexylcarboxylic acid	122665-97-8
N-(3-acetylphenyl)-N-methyl-acetamide	325715-13-7
(3-Amino-1H-pyrazol-4-yl)-2-thienylmethanone	96219-87-3
10-Azatricyclo[6.3.1.0 ^{2,7}]dodeca-2,4,6-triene, hydrochloride	230615-52-8
N-(3-methoxy-5-methylpyrazin-2-yl)-2-(4-[1,3,4-oxadiazol-2-yl]phenyl)pyridine-3-sulfonamide	186497-07-4
1-Cyclopentyl-3-ethyl-1,4,5,6-tetrahydropyrazolo[3,4-c]pyridin-7-one	162142-14-5
1-Cyclopentyl-3-ethyl-6-(4-methoxybenzyl)-1,4,5,6-tetrahydropyrazolo[3,4-c]pyridin-7-one, p-toluenesulfonate	303752-13-8
3-(4-Trifluoromethylphenylamino)pentanoic acid amide	667937-05-5
(1R,5R)-2-(3-Benzyl-7-oxo-4-thia-2,6-diaza-bicyclo[3.2.0]hept-2-en-6-yl)-3-methyl-but-2-enoic acid 4-nitrobenzyl ester	192049-49-3
(2S)-Tetrahydrofuran-2-carboxylic acid	87392-07-2
(6R,7R)-7-Amino-8-oxo-3-((2S)-tetrahydrofuran-2-yl)-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid 4-nitrobenzyl ester hydrochloride	655233-39-9
N-Formyl-L-leucine (1S,3Z,6Z)-1-[[[(2S,3S)-3-hexyl-4-oxo-2-oxetanyl]methyl]-3,6-dodecadienyl ester	96829-59-3
(5R)-5-Ethyl-1,4,5,8-tetrahydro-5-hydroxyoxepino[3,4-c]pyridine-3,9-dione	221054-70-2
4-[2-(5-methyl-2-phenyl-4-oxazolyl)ethoxybenzo[b]thiophene-7-carboxaldehyde	475480-88-7
2-(5-Methyl-2-phenyl-4-oxazolyl)ethyl methanesulfonate	227029-27-8
4-[5-(4-Fluorophenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]benzenesulfonamide	170569-88-7
(4S)-4-(3,4-Dichlorophenyl)-3,4-dihydronaphthalen-1(2H)-one	124379-29-9
6-(5-Chloropyridin-2-yl)-7-hydroxy-6,7-dihydro-5H-pyrrolo[3,4-b]pyrazin-5-one	43200-81-3
5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-amino-3-ethenyl-8-oxo-, (6R-trans)	79349-82-9
(6R,7R)-7-amino-8-oxo-3-[(1H-1,2,3-triazol-4-ylthio)methyl]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid	37539-03-0
(6R,7S)-7-(2-Bromo-acetyl-amino)-7-methoxy-3-(1-methyl-1H-tetrazol-5-yl)sulfanylmethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid benzhydryl ester	70035-75-5
7-[(bromoacetyl)amino]-7-methoxy-3-[(1-methyl-1H-tetrazol-5-yl)thio]-methyl)-8-oxo-5-thia-1-azabicyclo[4,2,0]oct-2-ene-2-carboxylic acid	61807-78-1
(6R,7R)-7-amino-3-[(1-methyl-1H-tetrazol-5-yl)thio]-methyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid hydrochloride	68350-02-7
(6R,7R)-7-amino-8-oxo-3-[2-(1,3,4-thiadiazol-2-ylthio)ethyl]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid	24209-43-6
(2-amino-1,3-thiazol-4-yl)acetic acid	29676-71-9
1-[2-(dimethylamino)ethyl]-1,4-dihydro-5H-tetrazole-5-thione	61607-68-9
tert-Butyl (7E)-4-ethoxy-10,10-dimethyl-6-oxo-7-(2-amino-1,3-thiazol-4-yl)-3,5,9-trioxa-8-aza-4-phosphaundec-7-en-11-oate 4-sulfide	162208-28-8
4-Chloromethyl-5-methyl-1,3-dioxol-2-one	80841-78-7
Ethyl 1-methyl-5-nitro-1H-indole-2-carboxylate	71056-57-0
Ethyl 1-methyl-5-[4'-(trifluoromethyl)[1,1'-biphenyl]-2-carboxamido]-1H-indole-2-carboxylate	481659-93-2

Table 3

Pharmaceutical intermediates proposed for addition to the Pharmaceutical Appendix

Product name	CAS No.
1-Methyl-5-[4'-(trifluoromethyl)[1,1'-biphenyl]-2-carboxamido]-1H-indole-2-carboxylic acid potassium salt	481659-96-5
tert-Butyl (S)-2-[benzyl(methyl)amino]-2-oxo-1-phenylethylcarbamate hydrochloride	481659-97-6
3-(2-Bromopropionyl)-4,4-dimethyl-1,3-oxazolan-2-one	114341-88-7
2-Pentenedioic acid, 2-[2-[(phenylmethoxy)carbonyl]amino]-4-thiazolyl]-, 5-(3-methyl-2-butenyl) ester	115065-79-7
4-Thia-2,6-diazabicyclo[3.2.0]hept-2-ene-6-acetic acid, alpha-(1-methylethenyl)-7-oxo-3-(phenylmethyl)-, diphenylmethyl ester	63457-21-6
1-aminopyridazin-1-ium hexafluorophosphate	346412-97-3
1-[4-(Ethoxy)phenyl]-2-[4-(methylsulfonyl)phenyl]ethanone	346413-00-1
2-[4-(Ethoxy)phenyl]-3-[4-(methylsulfonyl)phenyl]pyrazolo[1,5-b]pyridazine	221148-46-5
6-Iodo-4(1H)-quinazolinone	16064-08-7
3-Chloro-4-[[3-(3-fluorophenyl)methyl]oxy]aniline	202197-26-0
N-(3-Chloro-4-[[3-(3-fluorophenyl)methyl]oxy]phenyl)-6-iodo-4-quinazolinamine	231278-20-9
(5-Formyl-2-furanyl)boronic acid	27329-70-0
[2-(Methylsulfonyl)ethyl]amine hydrochloride	104458-24-4
2-oxo-2-phenylethyl acetate	2243-35-8
(1S)-1-phenyl-1-propanamine	3789-59-1
(3R,4S,5R)-3,4,5-Trihydroxy-1-cyclohexene-1-carboxylic acid	138-59-0
5-Deoxy-D-ribofuranose triacetate	37076-71-4
(R)-(-)-1-Azabicyclo[2.2.2]octan-3-ol	25333-42-0
RS-3-(Dimethylamino)-1-(2-thienyl)-1-propanol	13636-02-7
N-Methyl-3-oxo-3-(2-thienyl)propenamine	663603-70-1
(S)-3-Methylamino-1-(2-thienyl)-1-propanol	116539-55-0
(S)-N-Methyl-3-(1-naphthalenyloxy)-2-thiophenepropanamine phosphoric acid salt	164015-32-1
(Z)-N-[2-(Diethylamino)ethyl]-5-[(5-fluoro-2-oxo-1,2-dihydro-3H-indol-3-ylidene)methyl]-2,4-dimethyl-1H-pyrrole-3-carboxamide (S)-2-hydroxysuccinate	341031-54-7
(1R,5S)-2-(hydroxymethyl)-5-(dimethyl(phenyl)silyl)cyclopent-2-enecarboxylic acid, compound with (1R,2R)-2-amino-1-(4-nitrophenyl)-1,3-propanediol (1:1)	649761-22-8
6-(Benzyloxy)-9H-purin-2-amine	19916-73-5
(1S,2S,3S,5S)-5-(2-amino-6-(benzyloxy)-9H-purin-9-yl)-2-((benzyloxy)methyl)-1-(hydroxymethyl)-3-(dimethyl(phenyl)silyl)cyclopentanol	649761-23-9
2-Amino-9-((1S,3R,4S)-3-((benzyloxy)methyl)-4-(dimethyl(phenyl)silyl)-2-methylenecyclopentyl)-1H-purin-6(9H)-one	649761-24-0
Ethynylcyclopropane	6746-94-7
(alphaR,betaS)-beta-methyl-alpha-phenyl-1-pyrrolidineethanol hydrochloride	210558-66-0
4-(2-(5-methyl-2-phenyloxazol-4-yl)ethoxy)benzaldehyde	103788-59-6
4-Methoxyphenyl chloroformate	7693-41-6
Methyl 2-(4-(2-(5-methyl-2-phenyloxazol-4-yl)ethoxy)benzylamino)acetate, hydrochloride salt	649761-25-1
(Z)-3-Cyano-5-methylhex-3-enoic acid tert-butylamine salt	604784-44-3
1-[(1S,2S)-2-(benzyloxy)-1-ethylpropyl]-N-[4-[4-(4-[[3R,5R)-5-(2,4-difluorophenyl)-5-(1H-1,2,4-triazol-1-yl)methyl]tetrahydrofuran-3-yl)methoxy]phenyl]piperazin-1-yl]phenyl]hydrazinecarboxamide	345217-03-0
2-Methoxy-1-[4-(trifluoromethyl)phenyl]ethanone	26771-69-7
1-[(1R)-2-methoxymethyl-1-[4-(trifluoromethyl)phenyl]ethyl]-2(S)-methylpiperazine, (2S,3S)-2,3-dihydroxybutanedioate (1:1) salt	612494-10-7
1-[(4,6-Dimethyl-5-pyrimidinyl)carbonyl]-4-piperidinone	612543-01-8
1-[(4,6-Dimethyl-5-pyrimidinyl)carbonyl]-4-[4-[2-methoxy-1-[R]-[4-(trifluoromethyl)phenyl]ethyl]-3(S)-methyl-1-piperazinyl]-4-methylpiperidine, 2(Z)-butenedioate (1:1)	599179-03-0
2-(2-Furanyl)-7-[2-[4-[4-(2-methoxyethoxy)phenyl]-1-piperazinyl]ethyl]-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine	377727-87-2
7-[(3R)-3-amino-1-oxo-4-(2,4,5-trifluorophenyl)butyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)-1,2,4-triazolo[4,3-	654671-77-9

Table 3
Pharmaceutical intermediates proposed for addition to the Pharmaceutical Appendix

Product name	CAS No.
a]pyrazine phosphate (1:1) monohydrate	
Glycine, N-[2-[5-(aminoiminomethyl)-2-hydroxyphenoxy]-6-[3-(4,5-dihydro-1-methyl-1H-imidazol-2-yl)phenoxy]-3,5-difluoro-4-pyridinyl]-N-methyl-, dihydrochloride	213839-64-6
2(3H)-Benzoxazolone, 6-[[2-[4-(phenylmethyl)-1-piperidinyl]ethyl]sulfinyl]-	253450-12-3
Pyridine, 4-[[4-(1-methylethyl)-2-[(phenylmethoxy) methyl]-1H-imidazol-1-yl] methyl]- ethanedioate (1:2)	280129-82-0
DNA, d(P-thio) (C-T-A-G-A-T-T-T-C-C-C-G-C-G), tridecasodium salt	362543-73-5
DNA d(P-thio) (G-A-T-C-C-G-C-G-G-G-A-A-A-T), tridecasodium salt	744239-10-9
(+)-(3S,4S)-1-(Aminomethyl)-3,4-dimethylcyclopentaneacetic acid	223445-75-8
(4R)-3-[(2S,3S)-2-Hydroxy-3-(3-hydroxy-2-methyl-benzoylamino)-4-phenyl-butyryl]-5,5-dimethyl-thiazolidine-4-carboxylic acid allylamide	478410-84-3
(2S,3S)-3-Amino-2-hydroxy-4-phenyl-butyric acid	62023-62-5
Benzenethiol, 3-methoxy-	15570-12-4
Ethanone, 2-chloro-1-(4-methoxyphenyl)-	2196-99-8
Phenol, 3-mercapto-	40248-84-8
Sodium Phenylbutyrate	1716-12-7
N-(2-Chloro-6-methylphenyl)-2-[[6-[4-(2-hydroxyethyl)-1-piperazinyl]-2-methyl-4-pyrimidinyl]amino]-5-thiazolecarboxamide	302962-49-8
2-piperidineacetamide, alpha-phenyl-	19395-39-2
(6aR)-5,6,6a,7-tetrahydro-6-methyl-4H-dibenzo[de,g]quinoline-10,11-diol	58-00-4
4'-Bromomethyl-(1,1'-biphenyl)-2-carboxylic acid 1,1-dimethylethylester	114772-40-6
4'-(Bromomethyl)-(1,1'-biphenyl)-2-carbonitrile	114772-54-2
4-Methyl-2-propylbenzimidazole-6-carboxylic acid	152628-03-0
2-Propyl-4-methyl-6-(1-methylbenzimidazole 1,7'-Dimethyl-2'-propyl-1H,3'H-[2,5']bibenzoimidazolyl	152628-02-9
(6R)-5,6-Dihydro-4-hydroxy-6-(1-(2-phenyl)ethyl)-6-propyl-2H-pyran-2-one	221129-55-1
3-Hydroxy-2'-(N-benzyl-N-methylamino)acetophenone Hydrochloride	71786-67-9
2,6-Dichloro-4,8-dipiperidinopyrimido(5,4-d)pyrimidine	7139-02-8
2-(Ethylamino)-5-[2-quinolin-4-yloxy]ethyl]nicotinic acid	
Piperazine, 1-(2-Chloroethyl)-4-(3-(trifluoromethyl) phenyl) dihydrochloride	57061-71-9
N-(4-(Methylamino)-3-nitrobenzoyl)-N-2-pyridinyl-β-alanine-ethylester	429659-01-8
(4-(5-Oxo-4,5-dihydro-1,2,4-oxadiazol-3-yl)-phenylamino)-acetic acid	872728-82-0
11-Ethyl-6-methyl-3-(2-(quinolin-1-oxid-4-yloxy)-ethyl)-4a,6,11, 11a-tetrahydro-pyrido(2,3-b)(1,5)benzodiazepin-5-one (Dihydrate)	(none)
Potassium 5-methyl-1,3,4-oxadiazole-2-carboxylate or oxadiazole K salt	(none)
2-(1-Amino-1-methylethyl)-N-(4-fluorobenzyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide	518048-03-8
N-[(4-Fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-[1-methyl-1-[[5-methyl-1,3,4-oxadiazol-2-yl)carbonyl]amino]ethyl]-6-oxo-4-pyrimidinecarboxamide monopotassium salt or L-612 K salt	518048-05-0
(2S)-2-[(S)-(2-Ethoxyphenoxy)(phenyl)methyl]morpholine compound with butanedioic acid	635724-55-9
N-[(5-{2-[(6S)-2-Amino-4-oxo-3,4,5,6,7,8-hexahydropyrido[2,3-d]pyrimidin-6-yl]ethyl}-4-methylthien-2-yl)carbonyl]-L-glutamic acid	177587-08-5
3-((2-(aminomethyl)cyclohexyl)methyl)-1,2,4-oxadiazol-5(4H)-one hydrochloride	227626-75-7
3,4'-Dichloro-2'-[(5-chloro-2-pyridyl)carbonyl]-6'-methoxy-4-[(2-methylamino-1H-imidazol-1-yl)methyl]thiophene-2-carboxanilide trifluoroacetate	229340-73-2
(R)-5-(2-Aminopropyl)-2-methoxybenzenesulfonamide	112101-81-2
2-Methyl-3-[(2S)-pyrrolidin-2-ylmethoxy]pyridine	161417-03-4
N-{2-[(4-Hydroxyphenyl)amino]pyridin-3-yl}-4-methoxybenzenesulfonamide	141430-65-1
2,7-Dichloro-6-methyl-4-[(4-methylpiperidino)methyl]-3-quinolinemethanol	220998-08-3
9-chloro-5-ethyl-1,4,5,13-tetrahydro-5-hydroxy-10-methyl-12-[(4-methylpiperidino)methyl]-3H,15H-oxepino[3',4':6,7]indolizino[1,2-b]quinoline-3,15-dione monohydrochloride	220997-99-9

Table 3**Pharmaceutical intermediates proposed for addition to the Pharmaceutical Appendix**

Product name	CAS No.
2-chloro-6,7-difluoro-3-quinolinemethanol	209909-03-5
(S)-alpha-Methoxy-4-[2-(5-methyl-2-phenyl-4-oxazolyl)ethoxy]benzo[b]thiophene-7-propionic acid	475479-34-6
(S)-1-[[[2-(5-Methyl-2-phenyl-4-oxazolyl)ethyl]amino]acetyl]-2-pyrrolidinecarbonitrile	521266-46-6
2-[(1S,2S)-2-(benzyloxy)-1-ethylpropyl]-4-{4-[4-({[(3R,5R)-5-(2,4-difluorophenyl)-5-(1H-1,2,4-triazol-1-yl)methyl]tetrahydrofuran-3-yl)methoxy}phenyl)piperazin-1-yl]phenyl}-2,4-dihydro-3H-1,2,4-triazol-3-one	170985-86-1