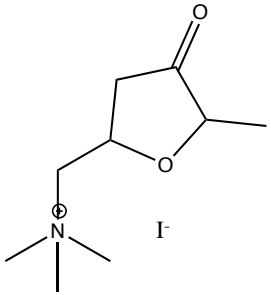
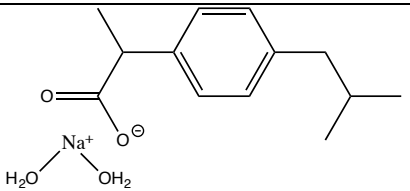
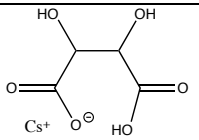
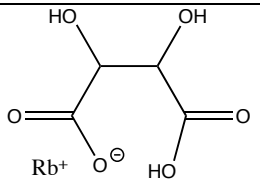
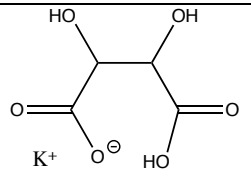
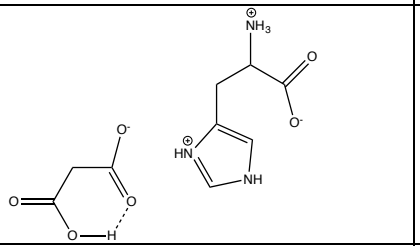
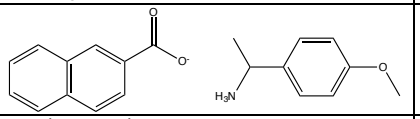
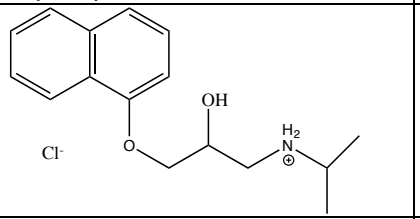
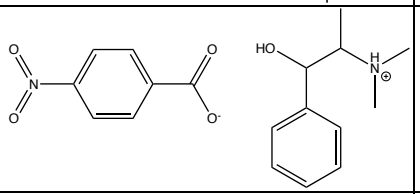
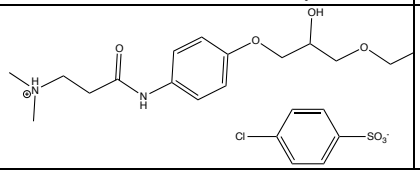
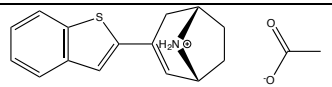
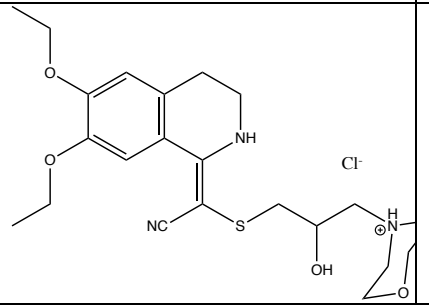
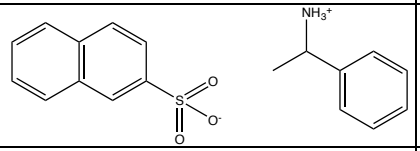
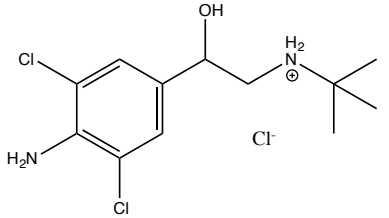
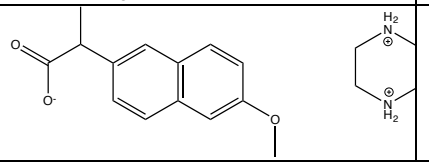
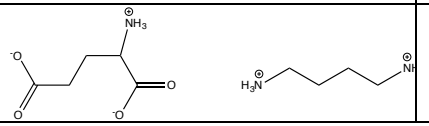
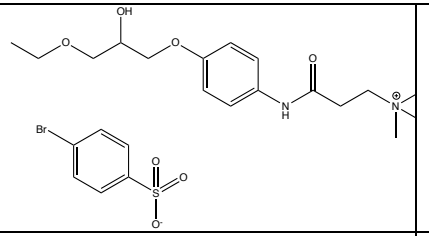
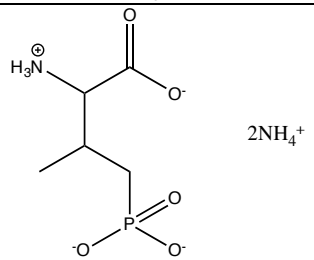
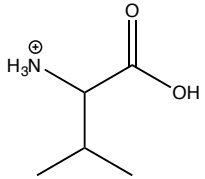
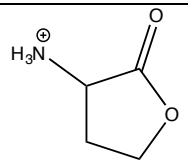
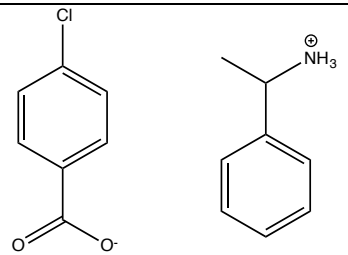
Systems with same crystal structure.

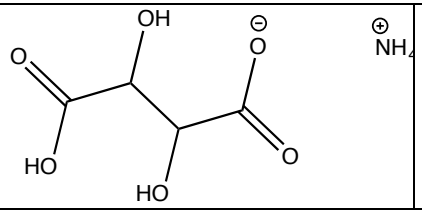
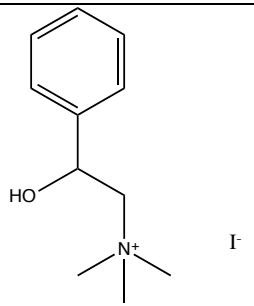
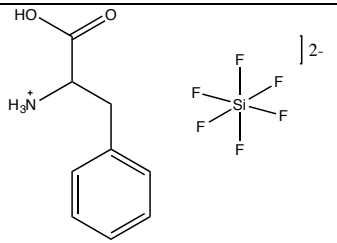
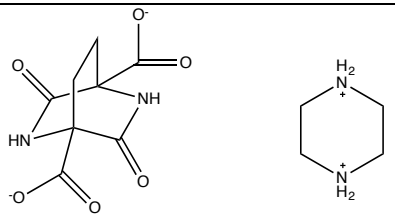
Salts

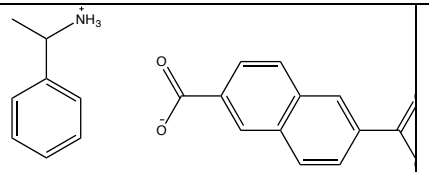
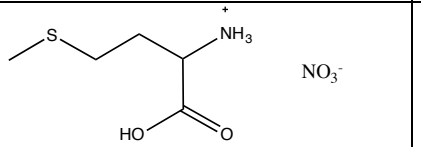
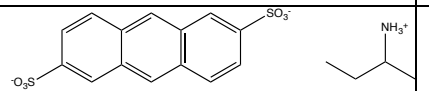
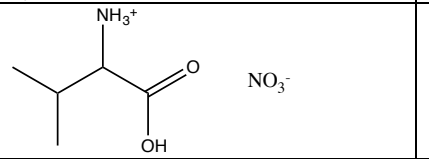
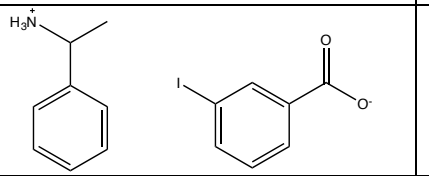
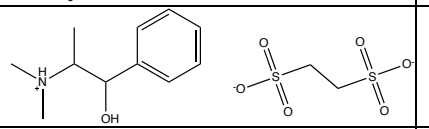
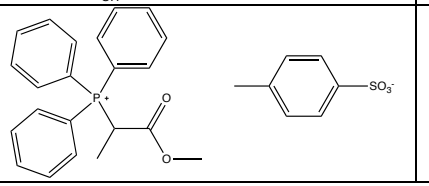
System	Enantiopure REFCODE	Racemic REFCODE	Chemical Structure	Interaction between Components
Muscarone iodide (1:1)	LAVFAP (S, S)	TAPMAY		Electrostatic I^-…N^+
catena-(bis(μ²-aqua)-bis(μ²-(S)-ibuprofen-O,O')-diaqua-di-sodium) (1:1:2)	KATNOJ (S)	KASVEG		Na^+…^-O_2C
Caesium hydrogen tartrate (1:1)	CSHTAR10 (R, R)	XAHZIQ		Cs^+…^-O_2C
Rubidium hydrogen tartrate (1:1)	KAMBIJ (R, R)	XAHZEM		Rb^+…^-O_2C

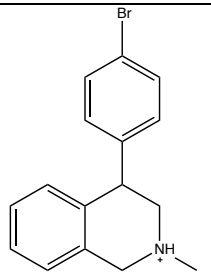
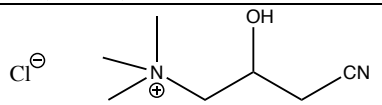
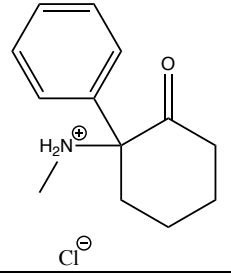
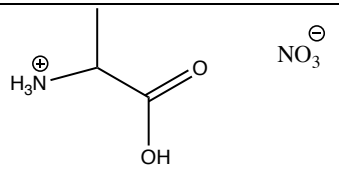
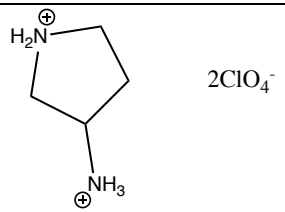
Potassium hydrogen tartrate (1:1)	ZZZRZW (R, R)	XAHZAI		$K^+ \cdots {}^-O_2C$
Histidine malonic acid (1:1)	CAMWUJ (S)	CAMWOD		$O^- \cdots HN^+$
1-(4-Methoxyphenyl)ethylammonium 2-naphthoate (1:1)	CARWEZ (S)	OSEVOY		$O^- \cdots HN^+$
Propranolol hydrochloride (1:1)	FIDGAB (R)	PROPDL		$Cl^- \cdots HN^+$
N-methylephedrinium 4-nitrobenzoate (1:1)	IVULOB (R, S)	IVULUH		$OH \cdots O$, $NH^+ \cdots O^-$
(2-(4-(3-Ethoxy-2-hydroxypropoxy)phenylcarbamoyl)ethyl)dimethylammonium p-chlorobenzenesulfonate (1:1)	JISREI (S)	JISQUX		$NH \cdots {}^-O{=}S$; $^+NH \cdots {}^-O{=}S$

3-(1-benzothiophen-2-yl)-8-azoniabicyclo[3.2.1]oct-2-ene acetate (1:1)	MEDNAM (R, S)	MEDMUF		NH…O=C
2-(6,7-Diethoxy-1,2,3,4-tetrahydro-1-isoquinolidene)-2-(2-hydroxy-3-(4-morpholinyl)propyl)mercaptoacetonitrile hydrochloride (1:1)	OCEDEF (S)	OCEDIJ		$NH^+…Cl^-$
1-phenylethylammonium naphthalene-2-sulfonate (1:1)	RUCGAY (R)	XOZTUC		$NH^+…O^-$
1-(4-Amino-3,5-dichlorophenyl)-2-(*t*-butylamino)ethanol hydrochloride (1:1)	SAZRUH (S)	ACBUET		$NH^+…Cl^-$
Naproxen - piperidine (2:1)	TOBMII (S)	TOBMEE		$NH^+…O^-$
Putrescine bis(glutamic acid) (1:2)	VOWHOE (S)	VOWHUK		$NH^+…O^-$

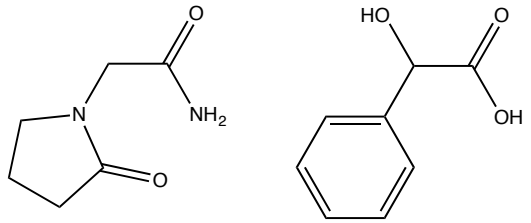
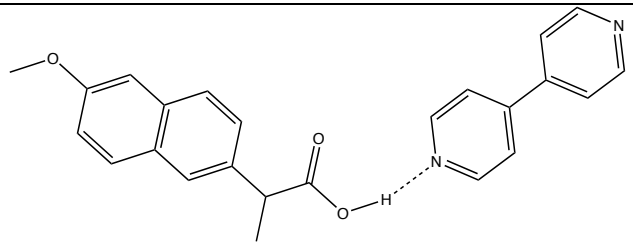
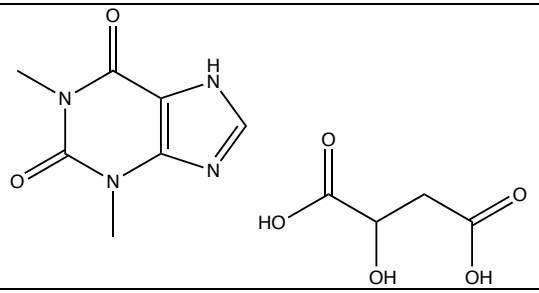
2-(4-(3-Ethoxy-2-hydroxypropoxy)phenylcarbamoyl)ethyl)trimethylammonium p-bromobenzenesulfonate (1:1)	XUQYEN (S)	XUQYAJ		$NH^+...O^-$
Diammonium O-phosphothreonine (2:1)	IJICIN (R, S)	GEJKUC		$NH^+...^-O=P/O=C$
Valine hydrochloride (1:1)	VALEHC10 (S)	DLVALC		$Cl^-...HN^+/OH$
2-Oxotetrahydrofuran-3-aminium bromide (1:1)	LEGKEP (S)	BAKHAW		$Br^-...HN^+$
1-Phenylethylammonium p-chlorobenzoate (1:1)	ZUSNEG (R)	ZUSNAC		$NH^+...O^-$

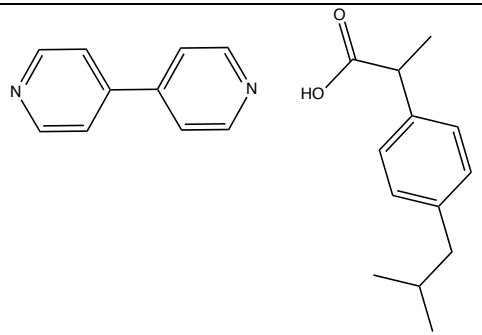
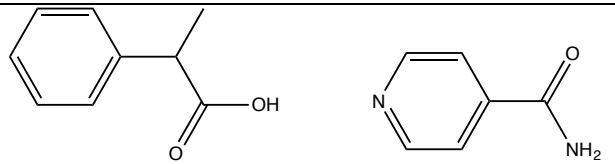
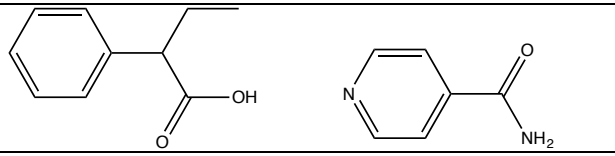
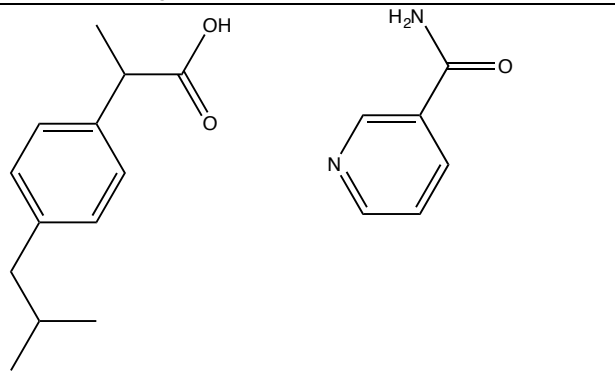
Ammonium hydrogen tartrate (1:1)	AMHTAR (R, R)	PUXKAU		NH^{+}...O
(2-Hydroxy-2-phenylethyl)trimethylammonium iodide (1:1)	JAMLUE (S)	JAMLUF		I^{-}...N+
bis(1-carboxy-2-phenylethylammonium) hexafluorosilicate (2:1)	BEZPAZ (S)	PAXXUJ		Electrostatic
Piperidinediium 2,5-diaza-3,6-dioxobicyclo(2.2.2)octane-1,4-dicarboxylate (1:1)	FECVUF (S, S)	FEFQOX		$^{+}$NH...O=C/$^{-}$O-C

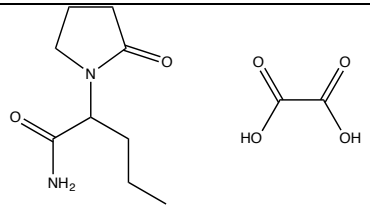
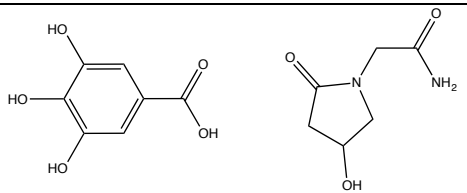
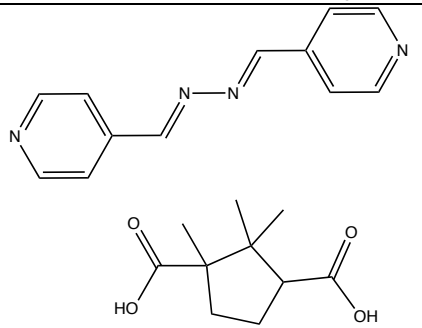
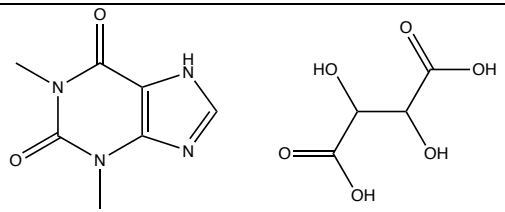
1-Phenylethylammonium naphthalene-2,6-dicarboxylate (2:1)	KOLMAA (R)	KONBEV		$^{+}$NH…O=C/$^{-}$O-C
Methioninium nitrate (1:1)	LUDHEX (S)	CONZIO		$^{+}$NH…O/OH…O
2-Butylammonium anthracene-2,6-disulfonate (2:1)	MIHGUG (R)	IGIXUS		$^{+}$NH…O^{-}
Valine nitrate (1:1)	ROKBOI02 (S)	VALNIT		$^{+}$NH…O/OH…O
1-phenylethylammonium *m*-iodobenzoate (1:1)	KOBGIS (R)	KOFNAV		$^{+}$NH…O^{-}
N-methylephedrinium ethane-1,2-disulfonate (2:1)	IVUMUI (R, S)	IVUNAP		$^{+}$NH…O=S/OH…O=S
(1-(Methoxycarbonyl)ethyl)triphenylphosphonium *p*-toluenesulfonate (1:1)	KEDVOF (S)	TUKLER		C-H…O=S

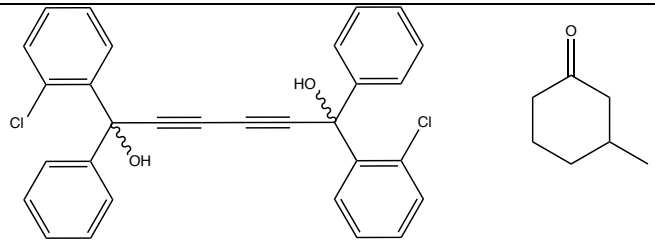
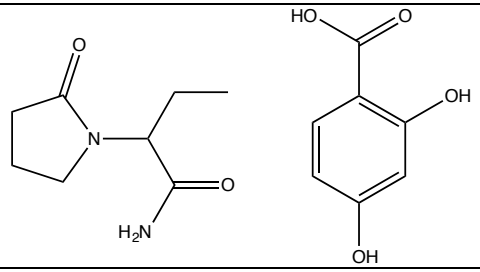
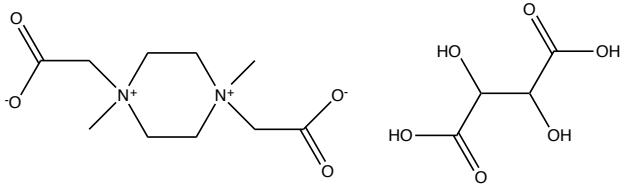
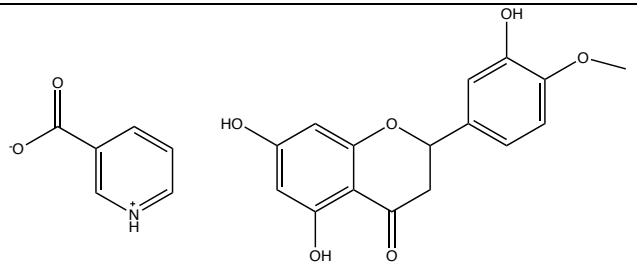
4-Bromophenyl)-2-methyl-1,2,3,4-tetrahydroisoquinoline hydrochloride (1:1)	POKYET (R, R)	POKYAP		$NH^{+}...Cl^{-}$
3-cyano-2-hydroxy-N, N, N-trimethylpropan-1-aminium chloride (1:1)	FIRFAQ (R)	FIRDOC		OH…Cl^{-}
deschloroketamine hydrochloride (1:1)	QIMGOL (S) QIMGUR (R)	QIMGIF		$NH^{+}...Cl^{-}$
Alaninium nitrate (1:1)	DENVAW (R) LOKFIA (S)	ZOKZAA		OH…ONO_2, NH…O=N
3-azaniumylpyrrolidin-1-ium diperchlorate (1:2)	DODYAZ01 (R)	QIHTAC		NH…OCl

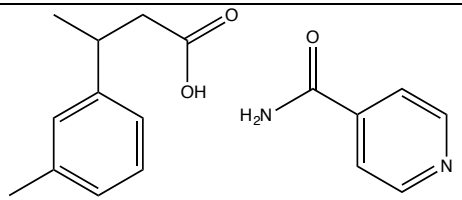
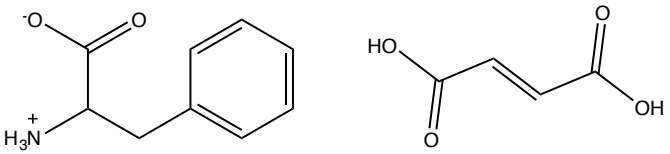
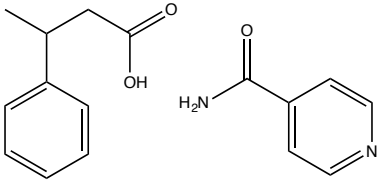
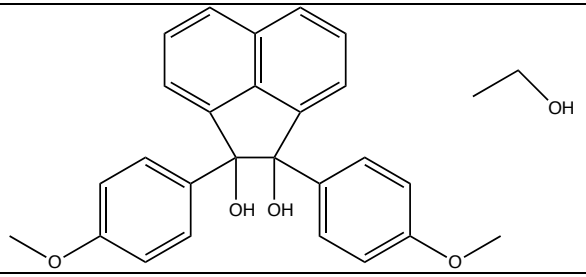
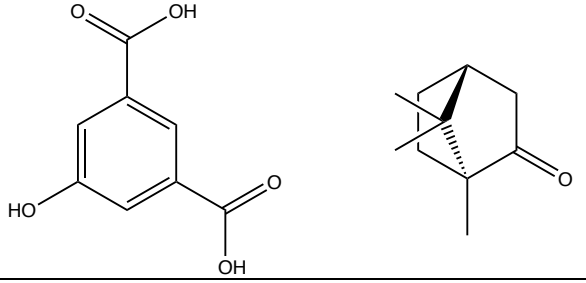
Co-crystals

System	Enantiopure REFCODE	Racemic REFCODE	Chemical Structure	Interaction between Components
Piracetam mandelic acid (2:1)	XOZSOV (S)	RUCFIF		NH…O=C; OH…O=C; OH…O=C
Naproxen 4,4'-bipyridine (2:1)	TOBMAA (S)	TOBLUT		OH…N_{ring}
theophylline malic acid (1:1)	CODCOO (R)	CIZTAH		OH…N_{ring}, C=O…HO (x2), NH…OH

ibuprofen hemikis(4,4'-bipyridine) (2:1)	IJIJAN (S) IJIHOZ (3S, 1R mixed crystal)	HUPPAJ		OH…N_{ring}
2-phenylpropionic acid isonicotinamide (1:1)	RONDAA (R)	ROLFOO		OH…N_{ring}
2-phenylbutyric acid isonicotinamide (1:1)	RONDEE (R)	ROLFUU		OH…N_{ring}
Ibuprofen nicotinamide (1:1)	SOGLAC (S)	SODDIZ		OH…N_{ring}

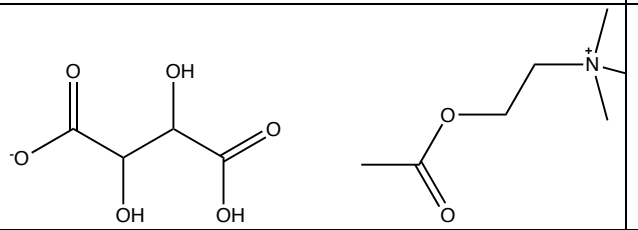
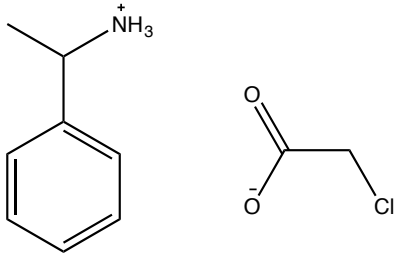
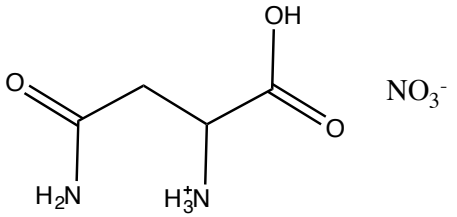
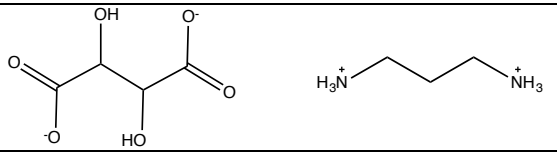
Etiracetam oxalic acid (1:1)	XOGPEQ (S)	XOGPAM		OH…O=C, NH…O=C
Oxiracetam gallic acid (1:1)	ZEBXEL (S)	ZEBXIP		OH…O=C, NH…OH
Camphoric acid 4,4'-(hydrazine-1,2-diylidenedimethylylidene)dipyridine (2:3)	ZIZZAL (R, S)	ZIZZEP		OH…N_{ring}
Theophylline L-tartaric acid (2:1)	NUJCAY (R, R)	NUJCEC		OH…N_{ring}

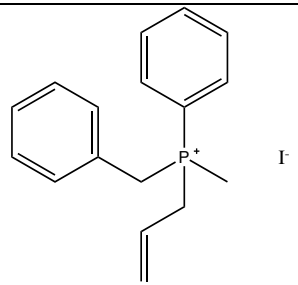
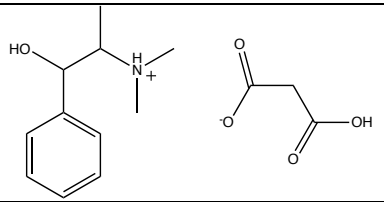
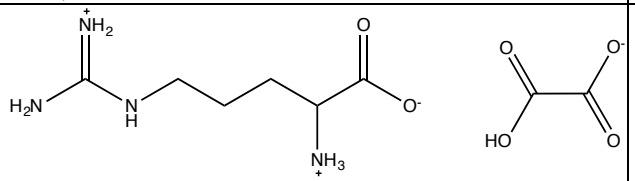
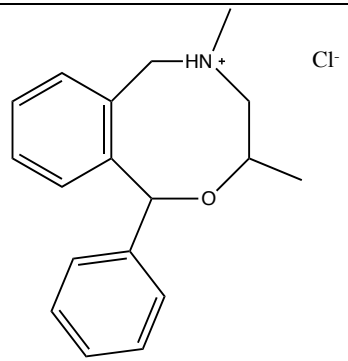
1,6-bis(o-chlorophenyl)-1,6-diphenylhexa-2,4-diyn-1,6-diol bis(3-methylcyclohexanone) (1:2)	VEGFIY (S, S) & (R)	VEGFEU (S, S) and (R)/(S)		OH…O=C
Levetiracetam 2,4-dihydroxybenzoic acid (1:1)	YASGAC (S)	XOGMUD		NH…O/OH…O
1,4-Dimethylpiperazine di-betaine L-tartaric acid (1:1)	ROKNAH (R, R)	BOWKAA		OH…O
Nicotinic acid hesperetin (1:1)	RUWHIB (S)	RUWHEX		OH…O

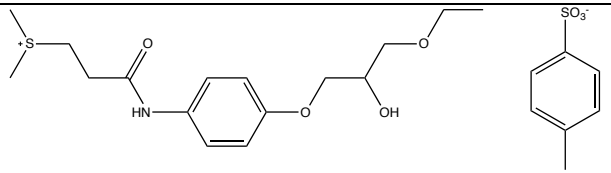
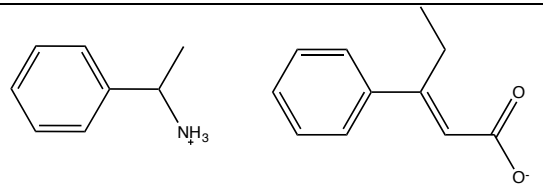
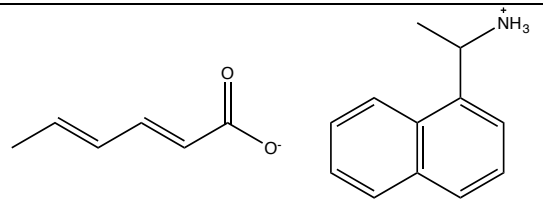
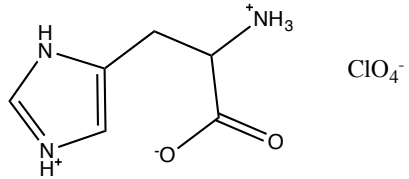
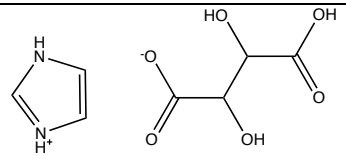
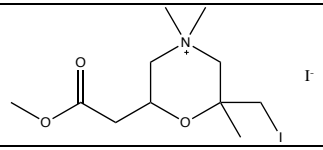
3-(3-Methylphenyl)butanoic acid isonicotinamide (1:1)	UYOTOS (S)	UYOTIM		OH…N_{ring}
Phenylalanine fumaric acid (1:1)	OJEPEY (R)	VIKLOR		$^{+}$NH…O/OH…$^{-}$O
3-Phenylbutanoic acid isonicotinamide (1:1)	UYOSUX (S)	UYOVEK		OH…N_{ring}
1,2-bis(4-Methoxyphenyl)acenaphthene-1,2-diol ethanol (1:1)	QATQAE (S, S)	QARGEW		OH…O
5-hydroxyisophthalic acid (+)-1,7,7-trimethylbicyclo[2.2.1]heptan-2-one (2:1)	PAMFOB (R, R)	PAMFER		Inclusion complex in acid…acid ring

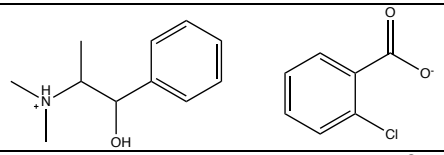
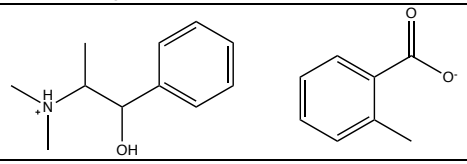
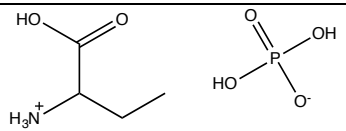
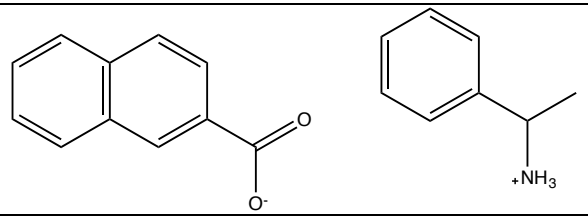
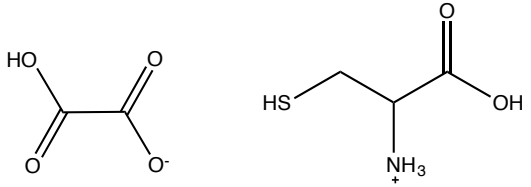
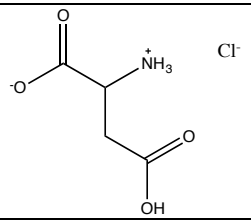
Systems that do not match

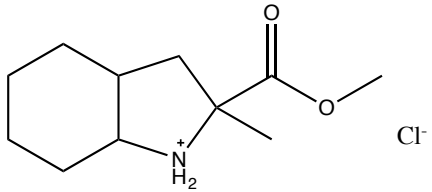
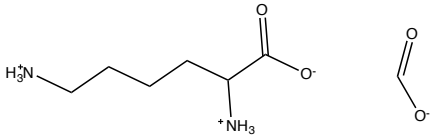
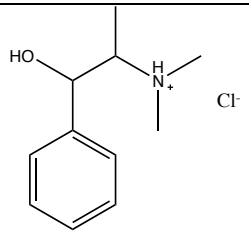
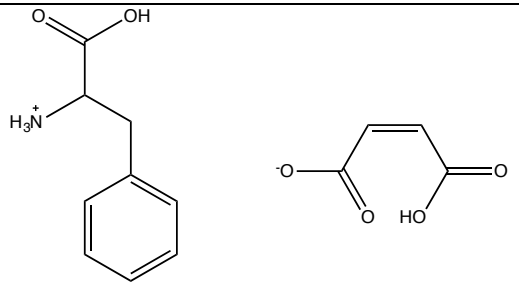
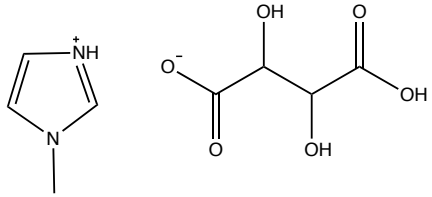
Salts

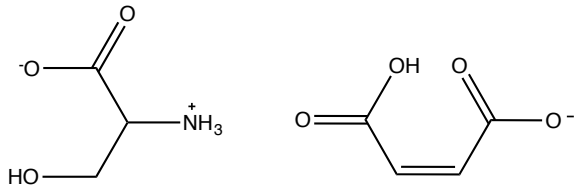
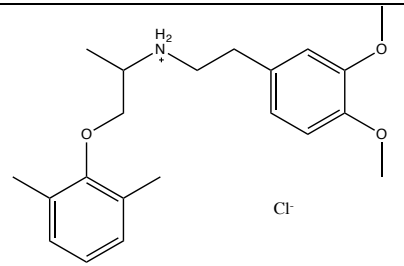
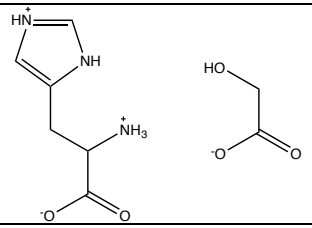
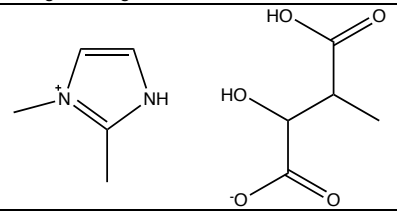
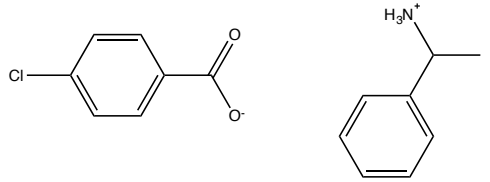
System	Enantiopure REFCODE	Racemic REFCODE	Chemical Structure	Interaction between Components
Acetylcholine hydrogen tartrate (1:1)	ACTART10 (R, R) (Form I) ACTART11 (R, R) (Form II)	ACHTAR		electrostatic N^+/O^-
1-Phenylethylammonium chloroacetate (1:1)	HISREG (R)	HISRIK		$^+NH...O=C/^-O-C$
Asparaginium nitrate (1:1)	MAPFIT (S)	COTZOB		$^+NH...ONO_2$
1,3-Diammoniopropane L-tartrate (1:1)	DILYUU (R, R)	XOJTOH		$^+NH...O$

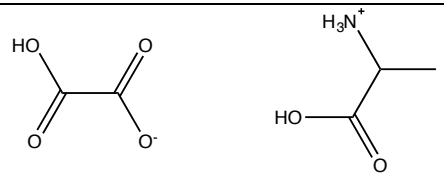
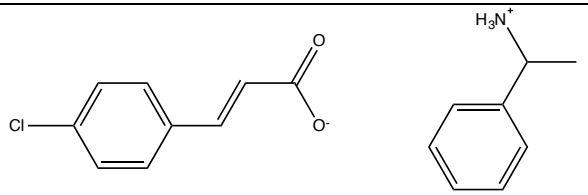
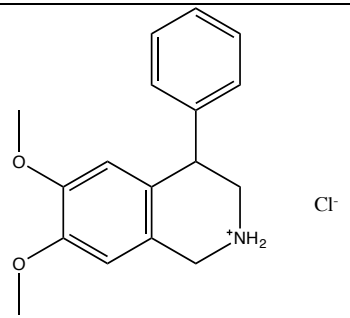
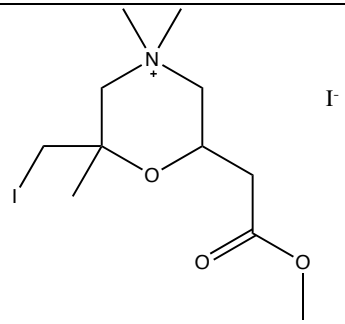
Allyl(benzyl)(methyl)phenylphosphonium iodide (1:1)	IGUSOT (S)	IGUSIN		electrostatic P^{+}/I^{-}
N-methylephedrinium carboxyacetate (1:1)	IVUPIZ (R, S)	IVUPOF		$^{+}NH\ldots O^{-}/OH\ldots O=C$
Arginine hydrogen oxalate (1:1)	NOSXEY (S)	NOSXAU		NH…O/OH…O=C
3-Methylnefopam hydrochloride (1:1)	PODPUT (S, S, S)	PODPON		$^{+}NH\ldots Cl^{-}$

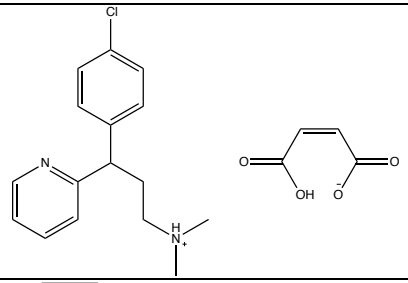
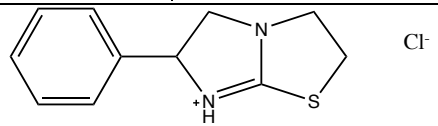
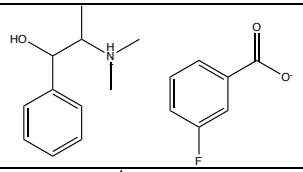
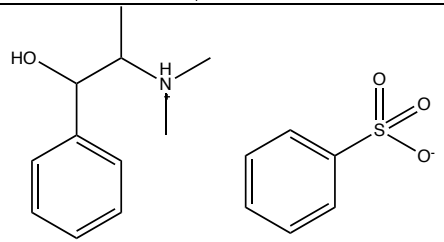
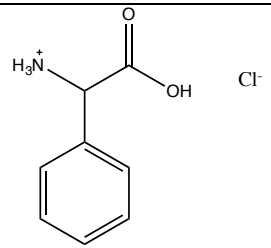
2-(4-(3-Ethoxy-2-hydroxypropoxy)phenylcarbamoylethyl) dimethylsulfonium *p*-toluenesulfonate (1:1)	TUBDOJ (R)	TUBDUP (Form I) TUBDUP02 (Form II)		NH…O=S/OH…O=C
1-Phenylethylammonium (Z)-3-phenyl-2-pentenoate (1:1)	ZUSLUU (R)	ZOHPER		$^{+}$NH…O=C
1-(1-Naphthyl)ethylammonium sorbate (1:1)	ASONIF R (by Mercury calc, listed as S)	ASONEB		$^{+}$NH…O=C
Histidinium perchlorate (1:1)	GASKAM (S)	BOWJUT		$^{+}$NH…O/NH…O
1H-Imidazolium hydrogen-L-tartrate (1:1)	HAZHEV (R, R)	KOFCOZ		$^{+}$NH…O/NH…O
2-(iodomethyl)-6-(2-methoxy-2-oxoethyl)-2,4,4-trimethylmorpholin-4-ium iodide (1:1)	HIZFAZ (S, R)	BIZVUD		electrostatic N^{+}/I^{-}

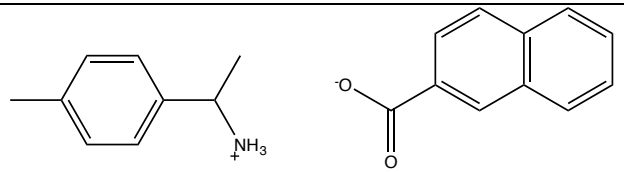
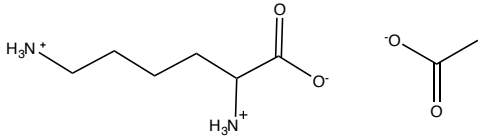
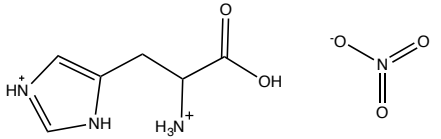
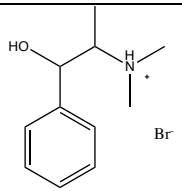
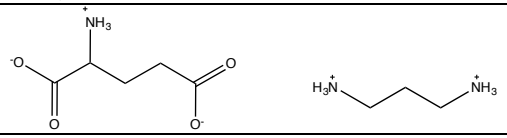
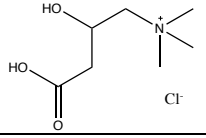
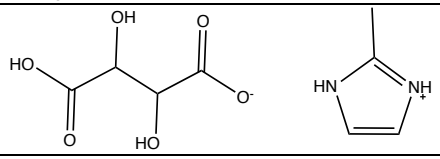
N-methylephedrinium 2-chlorobenzoate (1:1)	IVUKIU (R, S)	IVUKOA		OH…O/$^{+}$NH…O
N-methylephedrinium 2-methylbenzoate (1:1)	IVUMAO (R, S)	IVUMES		OH…O/$^{+}$NH…O
β–Methyl-alaninium dihydrogen monophosphate	KENDUC (S)	IFALEG		NH…O=P/OH…O=P
1-Phenylethylammonium) naphthalene-2-carboxylate (1:1)	KOLLUT (R)	KOMZUI		$^{+}$NH…O
Cysteinium hydrogen oxalate (1:1)	LOCLOF (R) (Form I) LOCLOF)1 (R) (Form II)	BOWKOO		$^{+}$NH…O
Aspartic acid hydrochloride (1:1)	MUCKUR01 (S) Form I MUCKUR02 (S) Form II	ASPART		$^{+}$NH…Cl^{-}/OH…Cl^{-}

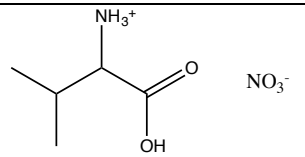
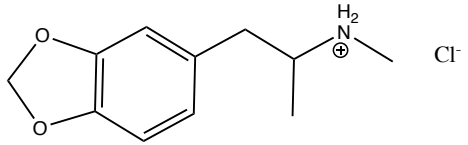
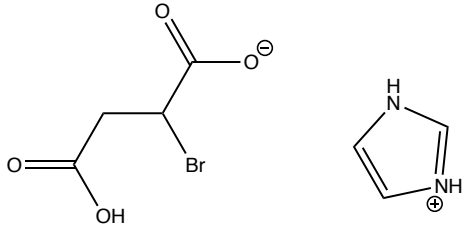
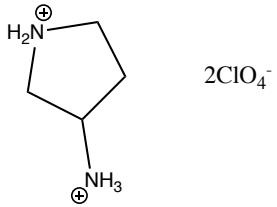
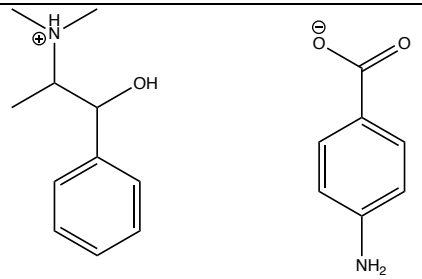
Methyl (2S,3aS,7aS)-2-methyloctahydroindole-2-carboxylate hydrochloride (1:1)	SORPOF (S, S, S)	UBIZAI		$^{+}$NH…Cl^{-}
Lysine formate (1:1)	YUHGAJ (S)	YUHGEN		$^{+}$NH…O
N-methylephedrinium chloride (1:1)	ZZZQSE01(R, S)	ZZZLUA0 1		$^{+}$NH…Cl^{-}
Phenylalaninium maleate (1:1)	EDAXIQ (R)	VAGVIJ		$^{+}$NH…O
1-Methylimidazolium hydrogen-D-tartrate (1:1)	ZAMXIU (S, S)	XOLYUU		NH…O

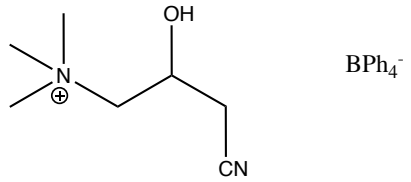
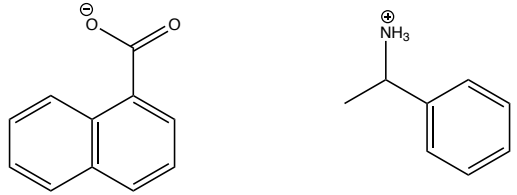
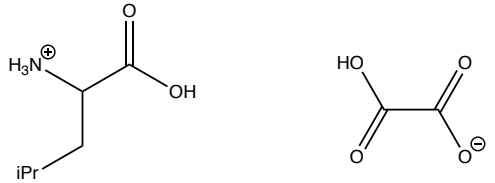
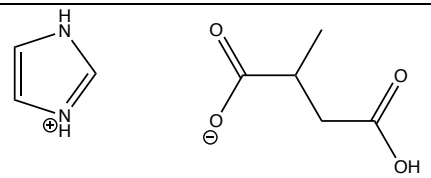
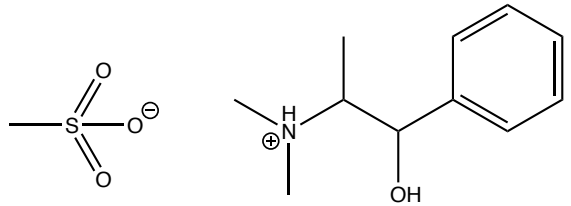
L-Serinium semi-maleate (1:1)	REZPET (S)	REZPAP		$^{+}$NH…O
1-(2,6-Dimethylphenoxy)-2-(3,4-dimethoxyphenylethylamino) propane chloride (1:1)	RICNEW (S)	RICNAS		$^{+}$NH…Cl^{-}
Histidine glycolate (1:1)	TEJWAG (S)	TEJVUZ		N-H…O/O-H…O
2,3-dimethyl-1H-imidazol-3-ium hydrogen tartrate (1:1)	XOJCOQ (S, S)	KODVAC		NH…O
1-Phenylethanaminium 4-chlorobenzoate (1:1)	ZUSNEG01 (R)	ZUSNAC		NH…O

Alaninium oxalate (1:1)	YEJYIV (S)	NELPUP		NH…O/OH…O
1-Phenylethylammonium *p*-chlorocinnamate (1:1)	ZUSLOO (R)	ZUSLII		NH…O
6,7-Dimethoxy-4-phenyl-1,2,3,4-tetrahydroisoquinoline hydrochloride (1:1)	PEFCUY	KINJUM		$^{+}$NH…Cl^{-}
2-(Iodomethyl)-6-(2-methoxy-2-oxoethyl)-2,4,4-trimethylmorpholin-4-ium iodide (1:1)	BIZVOX (S, S)	BIZVUD		electrostatic N^{+}/I^{-}

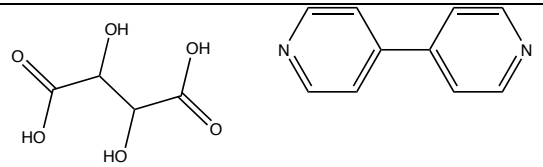
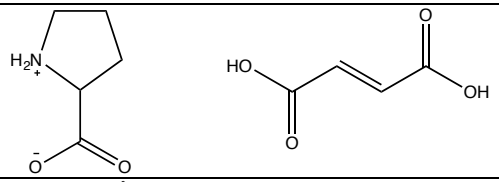
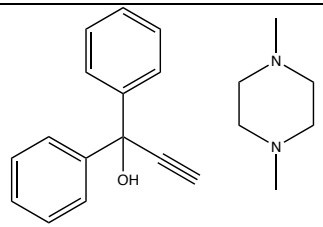
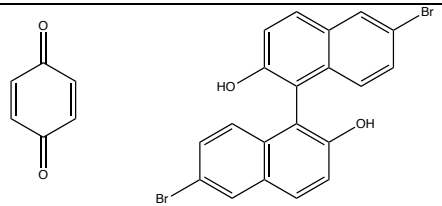
Chloropheniramine maleate (1:1)	CPHMAL10 (S)	JEGWUN		NH…O
2,3,6,7-Tetrahydro-6-phenyl-5H-imidazo(2,1-b)thiazolium chloride (1:1)	HPIMTZ (S)	KOSPUD		$^{+}$NH…Cl^{-}
N-methylephedrinium 3-fluorobenzoate (1:1)	IVULER (S, R)	IVULIV		OH…O/NH…O
N-methylephedrinium benzenesulfonate (1:1)	IVUMIW (s, R)	IVUMOC		OH…O/NH…O
Phenylglycine hydrochloride (1:1)	NILXUB (R)	HAZGIZ		$^{+}$NH..Cl^{-}/OH…Cl^{-}

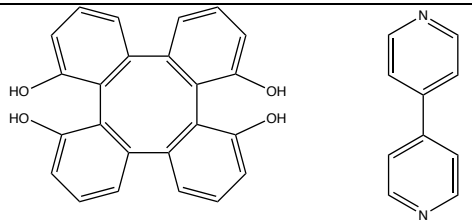
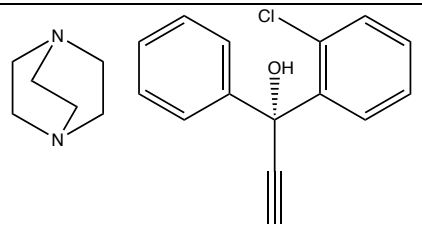
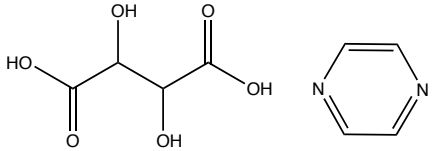
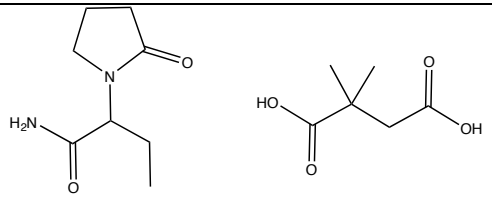
1-(4-Methylphenyl)ethylammonium 2-naphthoate (1:1)	CARWAV (R)	OSEVIS		$^{+}$NH…O^{-}
Lysine acetate (1:1)	CETSOJ (S)	SIHCER		$^{+}$NH…O^{-}
Histidinium dinitrate (1:2)	MUFMIJ (S)	SOBBOA		NH…O/OH…O
N-methylephedrinium bromide (1:1)	ZZZQOS01 (S, R)	ZZZFCS02		electrostatic Br^{-} /N^{+}
1,3-Diammoniopropane bis(glutamate) (1:2)	KUJKUV (S)	KUJLAC		NH…O
Carnitine hydrochloride (1:1)	ZAPXOF (R)	DLCARC		OH…Cl^{-}
2-Methylimidazolium hydrogen-D-tartrate (1:1)	ZELRIR (R, R)	KODVEG		NH…O

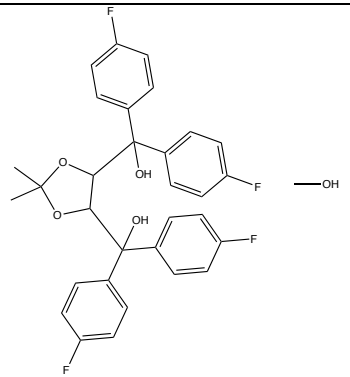
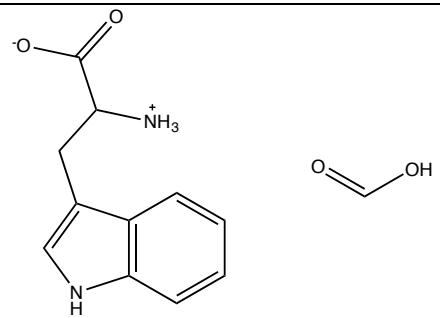
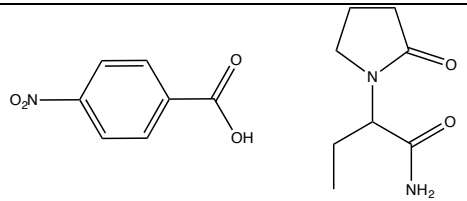
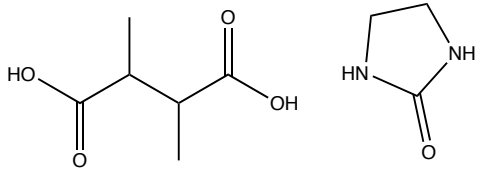
valinium nitrate (1:1)	ROKBOI (S)	VALNIT		$^{+}$NH…O/OH…O
1-(2H-1,3-benzodioxol-5-yl)-N-methylpropan-2-aminium chloride (1:1)	BEQRUN (R) BEQWUS (S)	NEDMIS		$^{+}R_2NH_2$…Cl^{-}
1H-imidazol-3-ium (-)-2-bromo-3-carboxypropanoate (1:1)	IREQUT (S)	IREQON		NH…O=C
3-azaniumylpyrrolidin-1-ium diperchlorate (1:2)	DODYAZ (R)(Form I) DODYAZ02 (R)(Form III)	QIHTAC		NH…OCl
Methyl ephedrinium 4-aminobenzoate (1:1)	VAVJEK	VAVKUB		$^{+}$NH…$^{-}$O=C

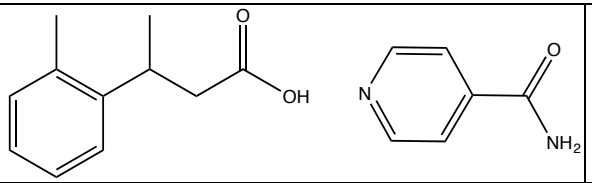
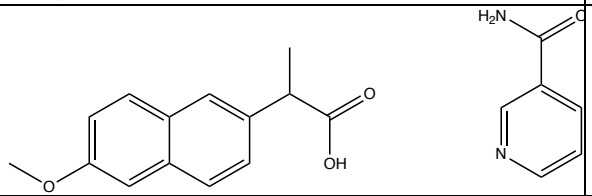
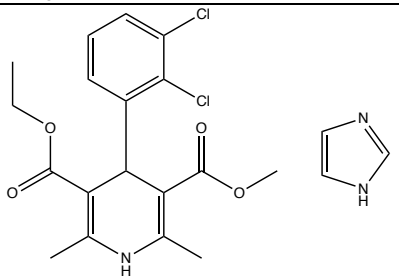
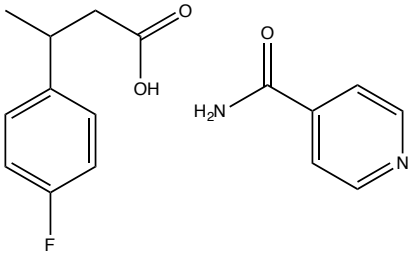
3-cyano-2-hydroxy-N,N,N-trimethylpropan-1-aminium tetraphenylborate (1:1)	ZEXQUR (R)	ZEXRAY		CH…N
1-phenylethylammonium 1-naphthoate (1:1)	BIFTIW (R) (form I) BIFTIW01 (form II)	ENOBOZ		NH…O
Leucinium hydrogen oxalate (1:1)	HAGZUL (R)	WIPQOE		NH…O
1H-imidazol-3-ium 3-carboxy-2-chloropropanoate (1:1)	IRERAA (R)	MEQPUT		NH…O
N-methylephedrinium methanesulfonate	IVUNET (1R, 2S).	IVUNIX		$^{+}$NH…O=S/OH…O=S

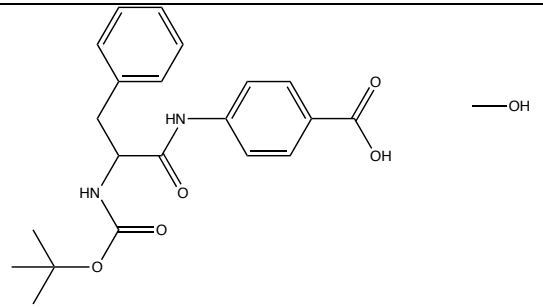
Co-crystals

System	Enantiopure REFCODE	Racemic REFCODE	Chemical Structure	Interaction between Components
4,4'-Bipyridyl Tartaric acid (1:1)	OFESOH (R, R)	OFESIB		OH…N
Proline fumaric acid (2:1)	GIHSOH (S)	GIHSAT		$^{+}$NH…O=C
N,N'-Dimethylpiperazine bis((-)-1-(o-chlorophenyl)-1-phenylprop-2-yn-1-ol) (1:2)	GERWIJ (S)	GERWEF		OH…N
6,6'-Dibromo-1,1'-bi-2-naphthol p-benzoquinone (1:1)	ESAWOK (R)	ESAWUQ		OH…O=C

1,8,9,16-Tetrahydroxytetraphenylene 4,4'-bipyridyl (1:1)	MAQYAF (S, S)	RAPXAI		$OH\cdots N_{ring}$
1,4-Diazabicyclo(2.2.2)octane bis((-)-1-(o-chlorophenyl)-1-phenylprop-2-yn-1-ol) (1:2)	VAWLAG (S)	VAWLEK		$OH\cdots N_{ring}$
tartaric acid pyrazine (1:1)	ANOLIZ (R, R)	ANOLUL		$OH\cdots N_{ring}$
Levetiracetam 2,2-dimethylsuccinic acid (1:1)	XOGMOX (S)	XOGMIR		NH…O/OH…O

2,2-Dimethyl-α,α,α',α'-tetrakis(p-fluorophenyl)-1,3-dioxolane-4,5-dimethanol methanol (1:1)	EABGUJ (S, S)	EABJAS		OH…O
Tryptophan formic acid (1:1)	MUGKAA (S)	TRYPTF		NH…O/OH…O
Levetiracetam bis(4-nitrobenzoic acid) (1:2)	XOGNUE (S)	XOGNOY		NH…O/OH…O
Imidazolidin-2-one tartaric acid (1:1)	UHAFEP (S, S)	UHACIQ		OH…O=C/NH…O=C

3-(2-Methylphenyl)butanoic acid isonicotinamide (1:1)	UYOTEI (S)	UYOTAE		OH…N_{ring}
Naproxen nicotinamide (2:1)	HEGGAD (S)	JULJEH		OH…N, NH…O=C, CO_2H…$CONH_2$ ring.
Felodipine 1H-imidazole (1:1)	BEMQIW (R)	EFAHOL		NH…N
3-(4-Fluorophenyl)butanoic acid isonicotinamide (1:1)	UYOVAG (S)	UYOTUY		OH…N_{ring}

4-((N-(*t*-Butoxycarbonyl)phenylalanyl)amino)benzoic acid methanol (1:1)	TIFJAV (S)	YASPAL		OH…O=C