



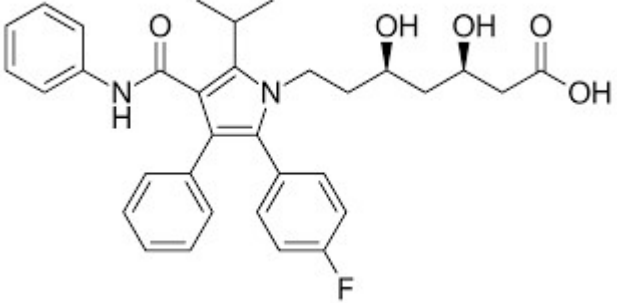
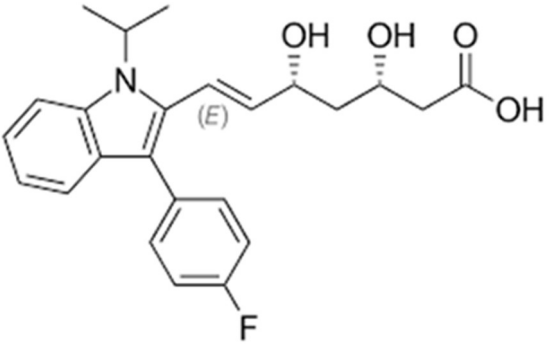
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## Active Pharmaceutical Ingredients-Technology

S.No.	API	CAS NO.	Structure
1	Afoxolaner	1093861-60-9	<chem>Clc1ccc(cc1C(F)(F)F)C2=CN(C2)C(F)(F)F</chem>
2	Fluralaner	864731-61-3	<chem>Clc1cc(Cl)ccc1C(F)(F)F</chem>

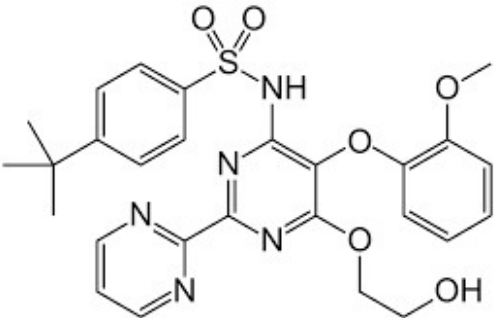
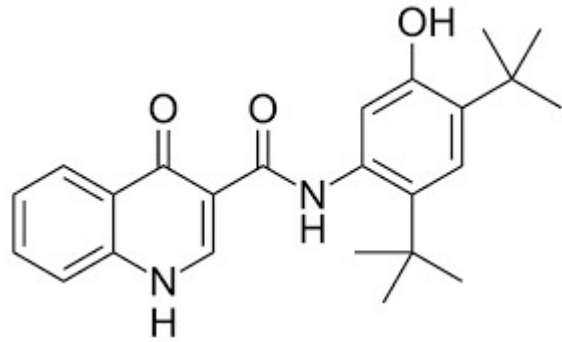


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3	Atorvastatin	134523-00-5	 <p>The chemical structure of Atorvastatin is a statin. It features a central pyrrole ring with an isopropyl group at the 2-position, a benzamide group at the 3-position, a phenyl group at the 4-position, and a 4-fluorophenyl group at the 5-position. The nitrogen atom of the pyrrole ring is substituted with a side chain consisting of a propyl chain with two hydroxyl groups (one on a wedge, one on a dash) and a terminal carboxylic acid group.</p>
4	Fluvastatin	93957-54-1	 <p>The chemical structure of Fluvastatin is a statin. It features a central pyrrole ring with an isopropyl group at the 2-position, a benzene ring at the 3-position, and a 4-fluorophenyl group at the 5-position. The nitrogen atom of the pyrrole ring is substituted with a side chain consisting of a propyl chain with two hydroxyl groups (one on a wedge, one on a dash) and a terminal carboxylic acid group. The side chain is attached to the pyrrole ring via a double bond in the (E) configuration.</p>

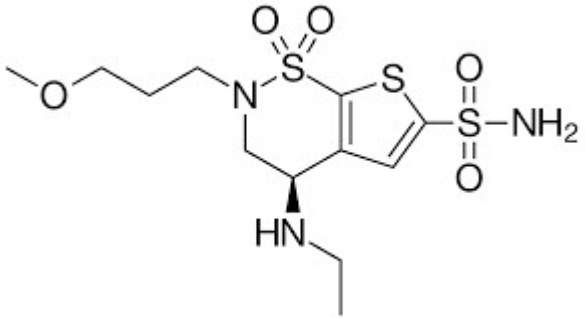
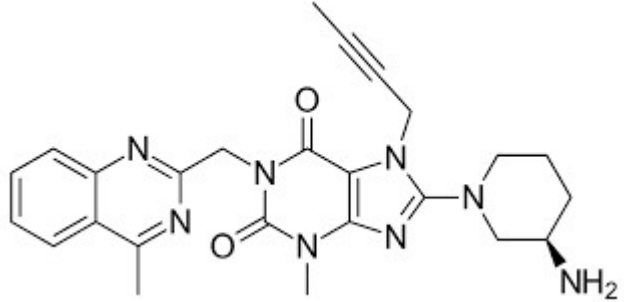


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5	Bosentan	147536-97-8	 <p>The chemical structure of Bosentan is a complex heterocyclic molecule. It features a central pyrimidine ring system. One nitrogen atom of the pyrimidine is substituted with a tert-butylphenylsulfonamide group. The other nitrogen atom is substituted with a pyridine ring. The pyrimidine ring also has two methoxy groups and a hydroxyethyl group attached to it.</p>
6	Ivacaftor	873054-44-5	 <p>The chemical structure of Ivacaftor is a benzimidazole derivative. It consists of a benzimidazole ring system with a carbonyl group at the 2-position. The 4-position of the benzimidazole is substituted with a tert-butylphenylamide group. The phenyl ring of the amide group has a hydroxyl group and another tert-butyl group attached to it.</p>

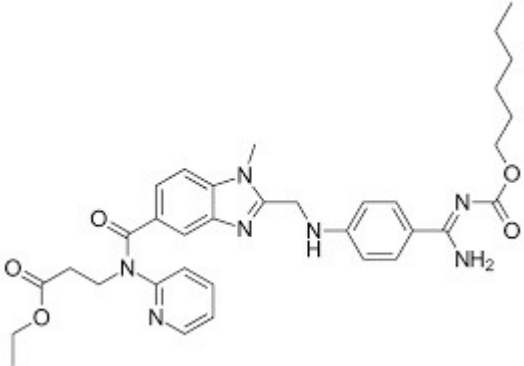
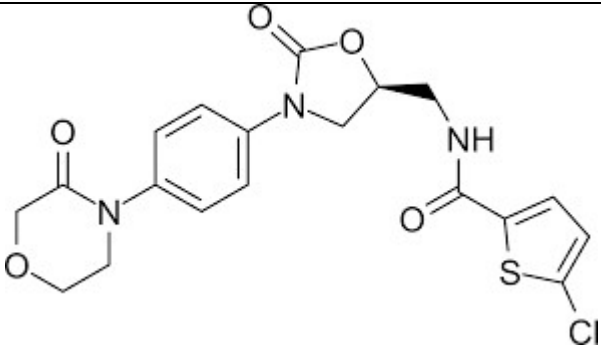


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7	Brinzolamide	138890-62-7	
8	Linagliptin	668270-12-0	

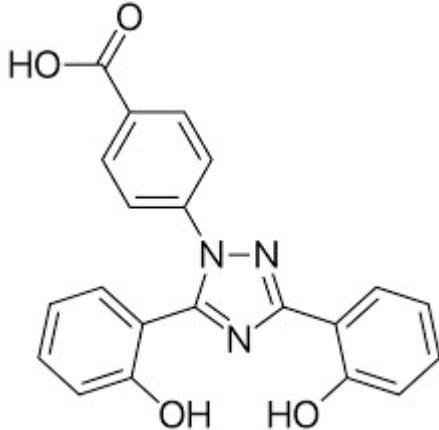
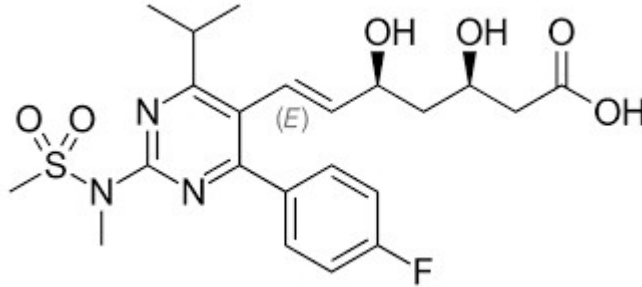


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9	Dabigatran	211915-06-9	 <p>The chemical structure of Dabigatran is shown. It features a central benzimidazole ring system. One nitrogen of the benzimidazole is substituted with a methyl group. The 2-position of the benzimidazole is linked via a methylene group to a secondary amine, which is further substituted with a 4-aminophenyl group. The 5-position of the benzimidazole is linked via a carbonyl group to a nitrogen atom. This nitrogen is also substituted with a 2-pyridyl group and a propyl ester group.</p>
10	Rivaroxaban	366789-02-8	 <p>The chemical structure of Rivaroxaban is shown. It features a morpholine ring system. The nitrogen of the morpholine is substituted with a 4-phenyl group. The 2-position of the morpholine is linked via a carbonyl group to a nitrogen atom. This nitrogen is also substituted with a 4-phenyl group. The 3-position of the morpholine is linked via a methylene group to a chiral center, which is further substituted with a hydrogen atom and a 2-amino-5-chlorothiophen-3-yl group.</p>

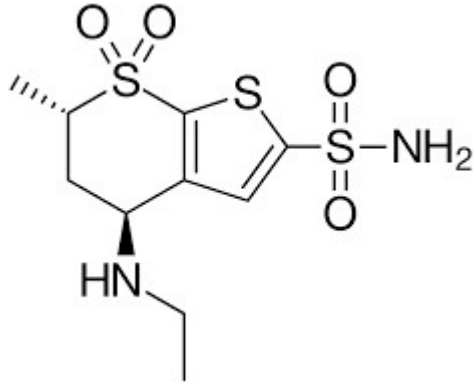
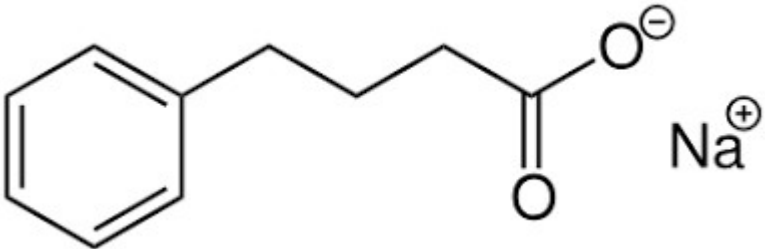


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11	Deferasirox	201530-41-8	
12	Rosuvastatin	287714-41-4	

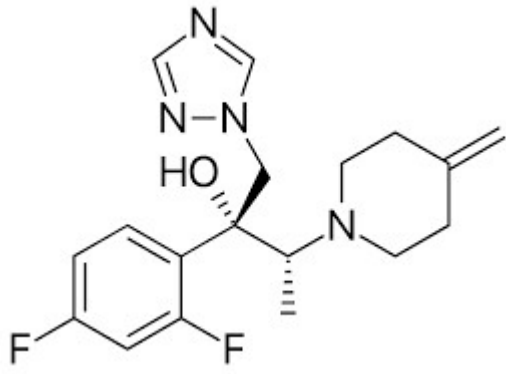


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13	Dorzolamide	130693-82-2	 <p>The chemical structure of Dorzolamide is a thiazolidine ring system. It features a sulfur atom at the top of the ring, which is double-bonded to two oxygen atoms. A methyl group is attached to the ring with a dashed bond. An ethylamino group (-NH-CH<sub>2</sub>-CH<sub>3</sub>) is attached to the ring with a wedged bond. A thiazole ring is fused to the thiazolidine ring, and it has a sulfamoyl group (-SO<sub>2</sub>-NH<sub>2</sub>) attached to it.</p>
14	Sodium phenyl butyrate	1716-12-7	 <p>The chemical structure of Sodium phenyl butyrate consists of a phenyl ring (a hexagon with a circle inside) attached to a four-carbon chain. The fourth carbon of the chain is part of a carboxylate group, represented as -C(=O)-O<sup>-</sup>. A sodium ion (Na<sup>+</sup>) is shown next to the carboxylate group, indicating the sodium salt form.</p>



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15	Efinaconazole	164650-44-6	
16	Vildagliptin	274901-16-5	