


CN1CCN(CC1)Cc2ccc(cc2)C(=O)Nc3cc(C)c(Nc4nc5ccccc5n4)c(C)c3CC1=CC=C(C=C1C(=O)Nc2ccsc2Nc3ccnnc3N4CCN(CC4)CCO)ClCc1cc(NC(=O)c2cc(Nc3ccc(NC4=CC=CC=C4)cc3)cc2)ccc1C(F)(F)F

The chemical structure of compound 6 features a central quinoline ring system. At the 8-position, there is an ester linkage (-O-C(=O)-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-NMe<sub>2</sub>). At the 7-position, a cyano group (-C≡N) is attached. At the 4-position, an amino group (-NH-) connects to a phenyl ring substituted with two chlorine atoms at the ortho positions.

COC1=CC=C(C(=C1)N2C=CC=C2C(=N3C=CC=C3C(=N2)C4=CC=C(C=C4)F)N)OCCN5CCOCC5COCCOC1=CC=C2C(=C1)N=CN=C2N(C3=CC=CC=C3C#CC4=CC=CC=C4)C5=CC=C(C(=C5)OCCOC)OCCN(C)C/C=C/C(=O)Nc1ccc(Cl)c(F)c1Nc2c3c(c4c2ncn4)C(=O)O[C@H]5COCC5CC(=O)Nc1ccc(Oc2ccc(NC(=O)Nc3ccc(Cl)c(C(F)(F)F)c3)cc2)cc1

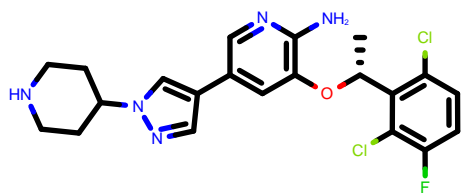
The chemical structure shows a benzimidazole core. One imidazole ring is substituted with a fluorine atom at the 6-position. The other imidazole ring is substituted with a methyl group at the 2-position and a long aliphatic chain at the 4-position. The aliphatic chain consists of a methylene group, a secondary amine (NH), and a tertiary amine (N) which is further substituted with a methyl group and a long alkyl chain (represented by a wavy line).

COC1=CC=C(C=C1)Oc2cc3c(cc2)nc(Nc4cc(Br)ccc4F)c3CCN5CCCCC5

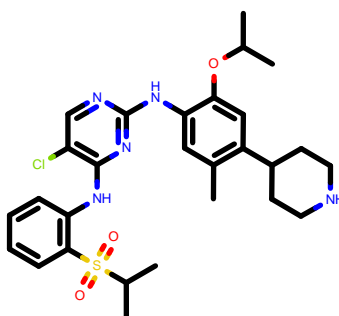
The chemical structure shows a pyridine ring connected via a trans-vinyl bridge to the 5-position of a 1H-benzotriazole ring. The 2-position of the benzotriazole ring is substituted with a phenyl group, which is further substituted at its 2-position with an amino group (-NH<sub>2</sub>) and at its 1-position with a sulfur atom that links to the 2-position of another phenyl ring.

The chemical structure shows a biphenyl system where the 4-position of one phenyl ring is substituted with a trifluoromethyl group (CF<sub>3</sub>) and the 1-position is substituted with a trifluoromethyl group (CF<sub>3</sub>). The 4'-position of the other phenyl ring is substituted with a trifluoromethyl group (CF<sub>3</sub>) and the 1'-position is substituted with a trifluoromethyl group (CF<sub>3</sub>). The 4-position of the first phenyl ring is also substituted with a trifluoromethyl group (CF<sub>3</sub>).

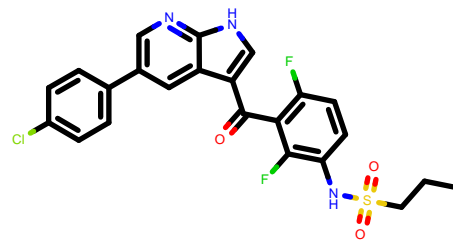
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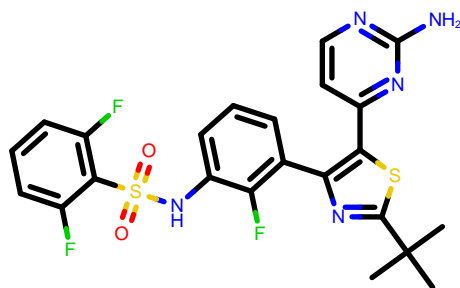
Ceritinib



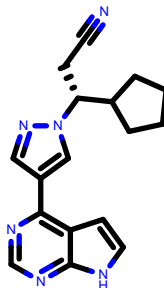
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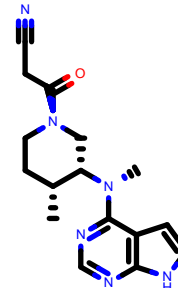
Dabrafenib



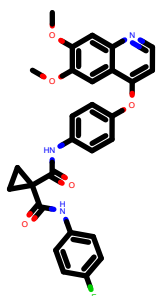
Ruxolitinib



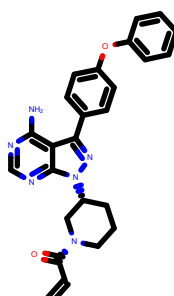
Tofacitinib



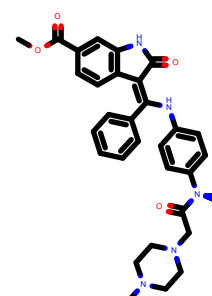
Cabozantinib



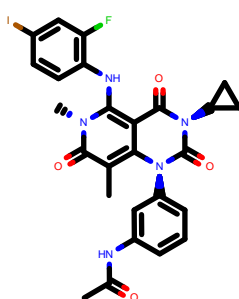
Ibrutinib



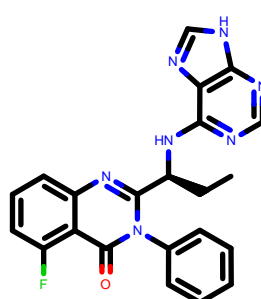
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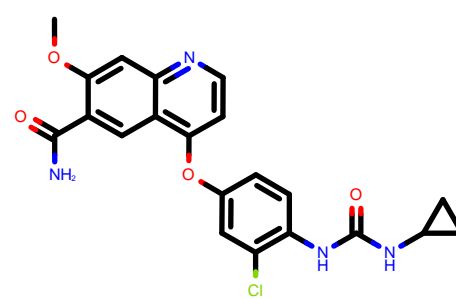
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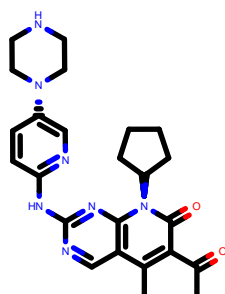
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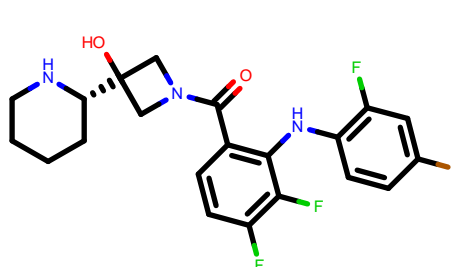
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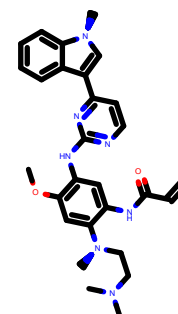
Palbociclib



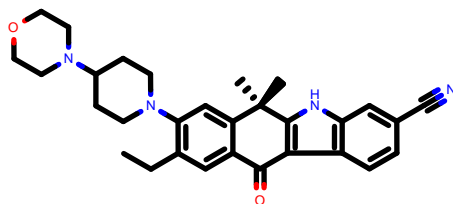
Cobimetinib



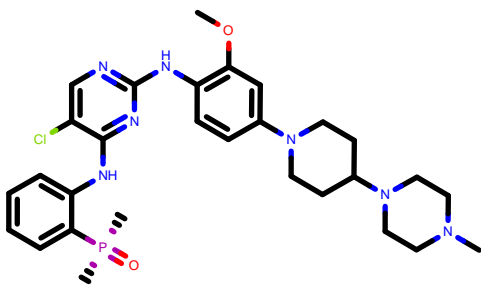
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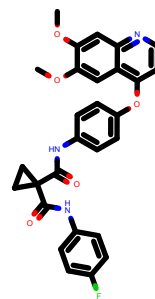
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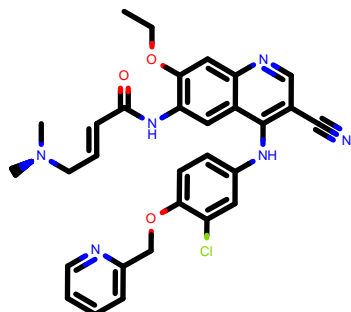
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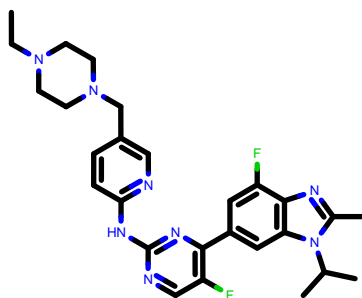
Cabozantinib



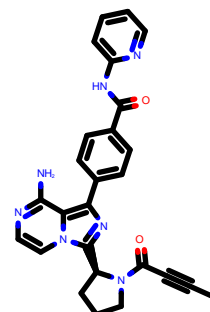
Neratinib



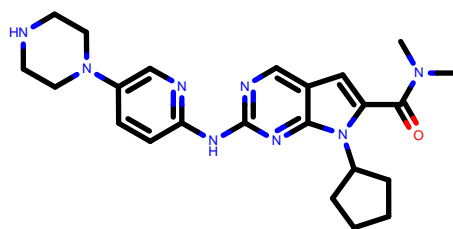
Abemaciclib



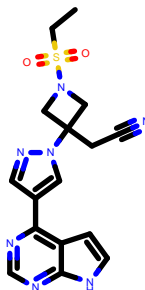
Acalabrutinib



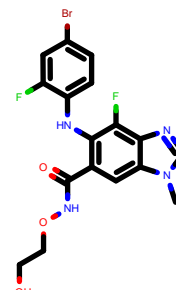
Ribociclib



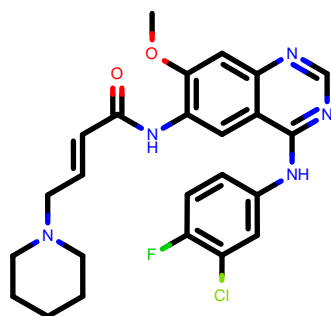
Baricitinib



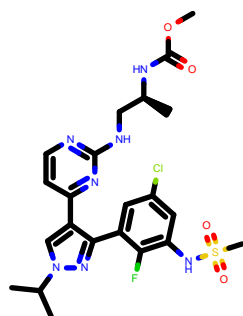
Binimetinib



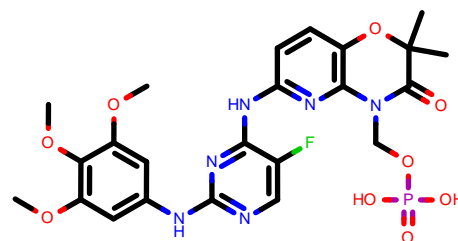
Dacomitinib



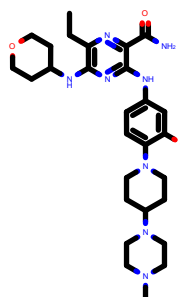
Encorafenib



Fostamatinib



Gilteritinib



Larotrectinib

