

Product Name : Vicriviroc maleate
Synonyms : SCH-417690;SCH-D

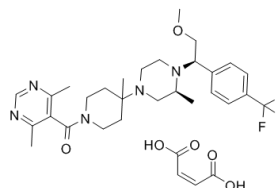
Cat No. : M15229

CAS Number : 599179-03-0

Molecular Formula : C₃₂H₄₂F₃N₅O₆

Formula Weight : 649.70

Chemical Name : Piperidine, 1-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4-[(3S)-4-[(1R)-2-methoxy-1-[4-(trifluoromethyl)phenyl]ethyl]-3-methyl-1-piperazinyl]-4-methyl-, (2Z)-2-butenedioate (1:1)



Description : A potent, highly selective, and orally bioavailable CCR5 antagonist with K_i of 2.5 nM; display no affinity for muscarinic receptors (K_i>10 uM); inhibits HIV-1 entry into U-80 cells with IC₅₀ of 0.8 nM, inhibits HIV-1 clinical isolates in PBMC with IC₉₀ of 1-10 nM; exhibits excellent receptor selectivity and oral bioavailability in rats and monkeys.HIV Infection Phase 3 Clinical

Pathway : GPCR/G Protein

Target : Chemokine Receptor

Receptor : CCR5

Solubility : 10 mM in DMSO

SMILES : CC1CN(CC1C(COC)C2=CC=C(C=C2)C(F)(F)F)C3(CCN(CC3)C(=O)C4=C(N=CN=C4C)C)C.C(=CC(=O)O)C(=O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Tagat JR, et al. J Med Chem. 2004 May 6;47(10):2405-8.| 2. Marozsan AJ, et al. Virology. 2005 Jul 20;338(1):182-99.| 3. Strizki JM, et al. Antimicrob Agents Chemother. 2005 Dec;49(12):4911-9.