

Product Name	: INCB9471
Synonyms	: INCB 9471; INCB-9471
Cat No.	: M16318
CAS Number	: 869769-98-2
Molecular Formula	: C30H40F3N5O2
Formula Weight	: 559.68
Chemical Name	: (4,6-dimethylpyrimidin-5-yl)(4-((S)-4-((1R,2R)-2-ethoxy-5-(trifluoromethyl)-2,3-dihydro-1H-inden-1-yl)-3-methylpiperazin-1-yl)-4-methylpiperidin-1-yl)methanone
Description	A potent, selective and orally bioavailable CCR5 antagonist IC50 of 6.5 nM, Kd of 3.1 nM in human PBMCs; inhibits CCR5-mediated signaling events such as intracellular calcium mobilization, ERK phosphorylation, and CCR5 receptor internalization with IC50 values of 16, 3, and 1.5 nM, respectively; demonstrates anti-HIV-1 activity against R5 HIV-1 strains representing the major clades including A, B, C, D, E, F, G, and J with mean IC50 of 9 nM in PBMCs; also is a potent inhibitor of mutant HIV-1 variants that are resistant to other drugs including NRTIs, NNRTIs, PIs, and the fusion inhibitor T20.HIV Infection Phase 1 Clinical
Pathway	: GPCR/G Protein
Target	: Chemokine Receptor
Receptor	: Chemokine Receptor
Solubility	: —
SMILES	: <chem>CCOC1CC2=C(C1N3CCN(CC3C)C4(CCN(CC4)C(=O)C5=C(N=CN=C5C)C)C=CC(=C2)C(F)(F)F</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Xue CB, et al. ACS Med Chem Lett. 2010 Aug 25; 1(9):483-7. | 2. Shin N, et al. J Pharmacol Exp Ther. 2011 Jul; 338(1):228-39.