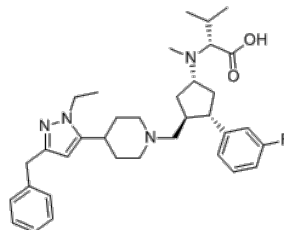


Product Name	: CMPD167
Synonyms	: CMPD 167;MRK-1
Cat No.	: M14012
CAS Number	: 313994-79-5
Molecular Formula	: C35H47FN4O2
Formula Weight	: 574.79
Chemical Name	: N-((1R,3S,4S)-3-((4-(3-benzyl-1-ethyl-1H-pyrazol-5-yl)piperidin-1-yl)methyl)-4-(3-fluorophenyl)cyclopentyl)-N-methyl-D-valine
Description	: CMPD167 (MRK-1) is an orally active small molecule that binds to CCR5 to inhibit gp120 association, inhibits different stages of the virus-cell attachment and entry process (CCR5-using virus SHIV-162P3, IC50<1 nM).
Pathway	: GPCR/G Protein
Target	: Chemokine Receptor
Receptor	: Chemokine Receptor
Solubility	: —
SMILES	: <chem>CCN1C(=CC(=N1)CC2=CC=CC=C2)C3CCN(CC3)CC4CQ(CC4C5=CC(=CC=C5)F)N(C)C(C(C)C)C(=O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Veazey RS, et al. Nature. 2005 Nov 3;438(7064):99-102.
2. Veazey RS, et al. Nat Med. 2005 Dec;11(12):1293-4.
3. Ketas TJ, et al. Virology. 2007 Aug 1;364(2):431-40.
4. Malcolm RK, et al. Antimicrob Agents Chemother. 2012 May;56(5):2251-8.