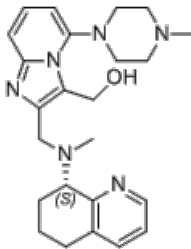


Product Name	: GSK812397	
Synonyms	: GSK 812397; GSK-812397	
Cat No.	: M16375	
CAS Number	: 878197-98-9	
Molecular Formula	: C ₂₄ H ₃₂ N ₆ O	
Formula Weight	: 420.56	
Chemical Name	: (S)-2-((methyl(5,6,7,8-tetrahydroquinolin-8-yl)amino)methyl)-5-(4-methylpiperazin-1-yl)imidazo[1,2-a]pyridin-3-yl)methanol	
Description	: GSK812397 is a potent, selective, noncompetitive, orally available antagonist of CXCR4 receptor, inhibits entry of X4-tropic strains of HIV-1 with IC ₅₀ of 4.60 nM and 1.50 nM in PBMCs and HOS assays, respectively; does not block CCR5-mediated viral entry in the R5 viral HOS assay (IC ₅₀ >25 uM); produces a concentration-dependent decrease in both an SDF-1-mediated chemotaxis and intracellular calcium release (IC ₅₀ =0.34 nM and 2.41 nM, respectively) in cell-based functional assays; demonstrates antiviral activity against a broad range of X4-utilizing strains of HIV-1.	
Pathway	: GPCR/G Protein	
Target	: Chemokine Receptor	
Receptor	: Chemokine Receptor	
Solubility	: —	
SMILES	: <chem>OCC1=C(CN([C@@H]2C3=C(C=CC=N3)CCC2)C)N=C4C=CC=C(N5CCN(C)CC5)N41</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Jenkinson S, et al. Antimicrob Agents Chemother. 2010 Feb;54(2):817-24.