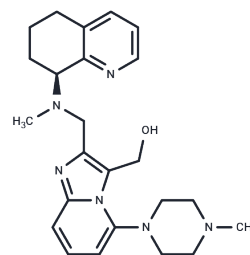


GSK812397

Chemical Properties

CAS No. : 878197-98-9
 Formula: C₂₄H₃₂N₆O
 Molecular Weight: 420.55
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|----------------------------|--|
| Description | GSK812397 is a potent entry inhibitor of X4-tropic strains of HIV-1, as demonstrated in multiple in vitro cellular assays. GSK812397 is a noncompetitive antagonist of the CXCR4 receptor, with GSK812397 producing a concentration-dependent decrease in both an SDF-1-mediated chemotaxis and intracellular calcium release (IC ₅₀ s were 0.34±0.01 nM and 2.41±0.50 nM, respectively). GSK812397 is effective against a broad range of X4- and X4R5-utilizing clinical isolates. The potency and efficacy of GSK812397 are dependent on the individual isolate, with complete inhibition of infection observed with 24 of 30 isolates. GSK812397 does not show any detectable in vitro cytotoxicity and was highly selective for CXCR4. GSK812397 shows acceptable pharmacokinetic properties and bioavailability across species. GSK812397 has antiviral activity against a broad range of X4-utilizing strains of HIV-1 via a noncompetitive antagonism of the CXCR4 receptor. |
| Targets(IC ₅₀) | Others,HIV Protease,CXCR |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.3778 mL | 11.8892 mL | 23.7784 mL |
| 5 mM | 0.4756 mL | 2.3778 mL | 4.7557 mL |
| 10 mM | 0.2378 mL | 1.1889 mL | 2.3778 mL |
| 50 mM | 0.0476 mL | 0.2378 mL | 0.4756 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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