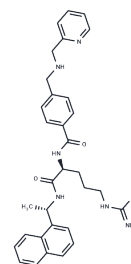


KRH-1636

Chemical Properties

CAS No. : 568526-77-2
 Formula: C32H37N7O2
 Molecular Weight: 551.68
 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	KRH-1636 is an orally active, selective and extremely potent CXC chemokine receptor 4 antagonist. KRH-1636 exhibits a potent and selective anti-HIV-1 activity. KRH-1636 efficiently blocked replication of various T cell line-tropic (X4) HIV type 1 (HIV-1) in MT-4 cells and peripheral blood mononuclear cells through the inhibition of viral entry and membrane fusion via the CXC chemokine receptor (CXCR)4 coreceptor but not via CC chemokine receptor 5. KRH-1636 also inhibits binding of the CXC chemokine, stromal cell-derived factor 1alpha, to CXCR4 specifically and subsequent signal transduction. KRH-1636 prevented monoclonal antibodies from binding to CXCR4 without down-modulation of the coreceptor. KRH-1636 seems to be a promising agent for the treatment of HIV-1 infection.
Targets(IC50)	Others,CXCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8126 mL	9.0632 mL	18.1265 mL
5 mM	0.3625 mL	1.8126 mL	3.6253 mL
10 mM	0.1813 mL	0.9063 mL	1.8126 mL
50 mM	0.0363 mL	0.1813 mL	0.3625 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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