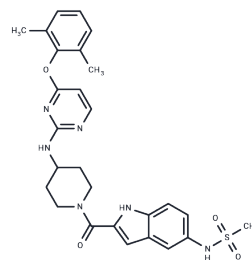


HIV-1 inhibitor-54

Chemical Properties

CAS No. :	2771211-71-1
Formula:	C ₂₇ H ₃₀ N ₆ O ₄ S
Molecular Weight:	534.63
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	HIV-1 inhibitor-54 is a potent inhibitor of WT HIV-1 (strain IIIB) in MT-4 cells, demonstrating anti-HIV activity with an EC ₅₀ of 32 nM. [HIV-1 inhibitor-54 can be used to study viral infections.]
Targets(IC ₅₀)	HIV Protease

Solubility Information

Solubility	DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8705 mL	9.3523 mL	18.7045 mL
5 mM	0.3741 mL	1.8705 mL	3.7409 mL
10 mM	0.187 mL	0.9352 mL	1.8705 mL
50 mM	0.0374 mL	0.187 mL	0.3741 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.

Reference

Ming W, et al. Hybrids of delavirdine and piperidin-4-yl-aminopyrimidines (DPAPYs) as potent HIV-1 NNRTIs: Design, synthesis and biological activities. Eur J Med Chem. 2023;248:115114.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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