

## CXCR4 antagonist 1

## Chemical Properties

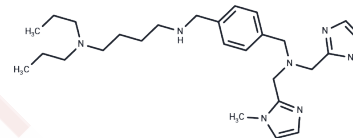
CAS No. : 675135-69-0

Formula: C<sub>27</sub>H<sub>43</sub>N<sub>7</sub>

Molecular Weight: 465.69

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	CXCR4 antagonist 1 is a potent inhibitor of the CXCR4 receptor with notable anti-HIV activity.
Targets(IC50)	Others,HIV Protease,CXCR
In vitro	The entry of HIV-1 is initiated by the interaction between gp120 and the CD4 receptor, along with chemokine receptors (CKRs) like CCR5 and CXCR4[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1474 mL	10.7368 mL	21.4735 mL
5 mM	0.4295 mL	2.1474 mL	4.2947 mL
10 mM	0.2147 mL	1.0737 mL	2.1474 mL
50 mM	0.0429 mL	0.2147 mL	0.4295 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

Yuta Hikichi, et al. Increased HIV-1 Sensitivity to Neutralizing Antibodies by Mutations in the Env V3-coding Region for Resistance to CXCR4 Antagonists. J Gen Virol. 2016 Sep;97(9):2427-2440.

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