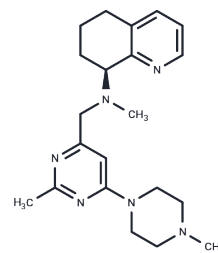


CXCR4 antagonist 5

Chemical Properties

CAS No. :	2304749-86-6
Formula:	C ₂₁ H ₃₀ N ₆
Molecular Weight:	366.5
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 5 (compound 23), a potent CXCR4 antagonist, exhibits high inhibition efficacy against CXCR4 with an IC ₅₀ value of 8.8 nM. It effectively suppresses CXCL12-induced cytosolic calcium increase (IC ₅₀ = 0.02 nM) and hinders CXCR4/CXCL12-mediated chemotaxis. Moreover, Compound 23 demonstrates favorable physicochemical properties and in vitro safety profiles, exhibiting only marginal to moderate inhibition of CYP isozymes and hERG [1].
Targets(IC ₅₀)	Others,CXCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7285 mL	13.6426 mL	27.2851 mL
5 mM	0.5457 mL	2.7285 mL	5.457 mL
10 mM	0.2729 mL	1.3643 mL	2.7285 mL
50 mM	0.0546 mL	0.2729 mL	0.5457 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

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