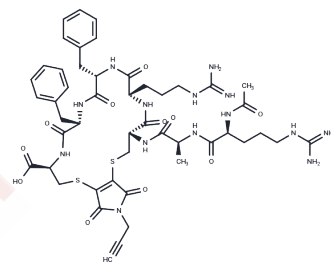


IS4

Chemical Properties

CAS No. : 3067986-23-3
 Formula: C48H62N14O11S2
 Molecular Weight: 1075.22
 Storage: Keep away from moisture
 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	IS4 is a selective competitive antagonist of CXCR4, exhibiting an IC50 of 0.65 nM in THP-1 cells and 38.75 nM in Jurkat cells. It remains stable in serum and is non-cytotoxic. IS4 competes with CXCL12 for binding to CXCR4, thereby inhibiting CXCL12-induced intracellular Ca ²⁺ release and cancer cell migration. This compound is applicable in research on the prevention of metastasis in conditions such as breast cancer, prostate cancer, and leukemia.
Targets(IC50)	CXCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.930 mL	4.6502 mL	9.3004 mL
5 mM	0.186 mL	0.930 mL	1.8601 mL
10 mM	0.093 mL	0.465 mL	0.930 mL
50 mM	0.0186 mL	0.093 mL	0.186 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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