

Pentixather

Chemical Properties

CAS No. :	1339959-27-1
Formula:	C36H47N9O6
Molecular Weight:	701.83
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Pentixather is a radiolabeled peptide that targets CXCR4. By disrupting the interaction between leukemia cells and the bone marrow microenvironment through targeting the CXCR4/CXCL12 signaling axis, Pentixather reduces the retention of leukemia cells in protective bone marrow niches, thereby increasing their sensitivity to treatment. It is applicable in studies related to acute lymphoblastic leukemia (ALL) and acute myeloid leukemia (AML).
Targets(IC50)	CXCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4248 mL	7.1242 mL	14.2485 mL
5 mM	0.285 mL	1.4248 mL	2.8497 mL
10 mM	0.1425 mL	0.7124 mL	1.4248 mL
50 mM	0.0285 mL	0.1425 mL	0.285 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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