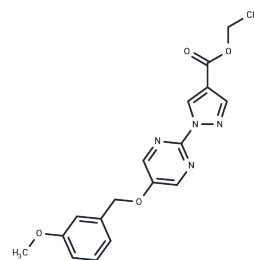


CXCR4 antagonist 10

Chemical Properties

CAS No. :	3056005-98-9
Formula:	C ₁₈ H ₁₈ N ₄ O ₄
Molecular Weight:	354.36
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	CXCR4 antagonist 10 is a small-molecule antagonist of the chemokine receptor CXCR4 that inhibits related signaling pathways and cell migration by blocking the binding of CXCR4 to its ligand, CXCL12 (SDF-1). In vitro studies have shown that CXCR4 antagonist 10 can interfere with tumor cell metastasis and immune cell chemotaxis, demonstrating potential value in antitumor and anti-inflammatory research.
Targets(IC50)	CXCR

Solubility Information

Solubility	DMSO: 100 mg/mL (282.2 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.822 mL	14.1099 mL	28.2199 mL
5 mM	0.5644 mL	2.822 mL	5.644 mL
10 mM	0.2822 mL	1.411 mL	2.822 mL
50 mM	0.0564 mL	0.2822 mL	0.5644 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

Anna Maria Trotta, et al. Comprehensive structural investigation of a potent and selective CXCR4 antagonist via crosslink modification. Eur J Med Chem. 2024 Sep 25;279:116911.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481