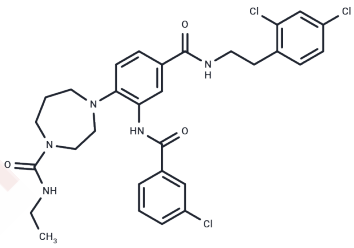
Data Sheet (Cat.No.T36982)

TargetMol

CXCR3 Antagonist 6c

Chemical Properties



CAS No. : 870998-13-3

Formula: C30H32Cl3N5O3

Molecular Weight: 616.97

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	CXCR3 antagonist 6c is an antagonist of chemokine (C-X-C motif) receptor 3 (CXCR3).1It inhibits calcium mobilization induced by chemokine (C-X-C motif) ligand 11 (CXCL11) in HEK293 cells expressing the human receptor (IC50= 0.06 μM). It is selective for CXCR3 over a panel of 14 human G protein-coupled receptors at 10 μM. CXCR3 antagonist 6c inhibits CXCR3-mediated migration of isolated human T cells (IC50= ~100 nM).
Targets(IC50)	Others,CXCR

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6208 mL	8.1041 mL	16.2082 mL
5 mM	0.3242 mL	1.6208 mL	3.2416 mL
10 mM	0.1621 mL	0.8104 mL	1.6208 mL
50 mM	0.0324 mL	0.1621 mL	0.3242 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

Cole, A.G., Stroke, I.L., Brescia, M.-R., et al.Identification and initial evaluation of 4-N-aryl-[1,4]diazepane ureas as potent CXCR3 antagonistsBioorg. Med. Chem. Lett.16(1)200-203(2006)

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