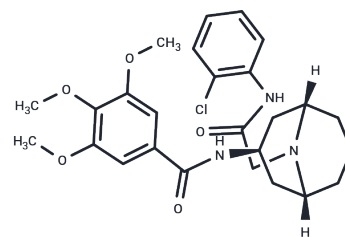


ML339

Chemical Properties

CAS No. : 2579689-83-9
Formula: C₂₆H₃₂ClN₃O₅
Molecular Weight: 502
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	ML339 a selective inhibitor of CXCR6 (IC ₅₀ = 140 nM) with no response when screened against CXCR5 and CXCR4.
Targets(IC ₅₀)	CXCR
In vitro	The murine assay was validated using anti-mCXCR16 as an antagonist positive control tested in the presence of an EC ₈₀ concentration of mCXCL16 (IC ₅₀ = 1.5 nM; % response = 100%). Probe ML339 was shown to be 100-fold less active at the murine CXCR6 receptor using the DiscoverX β -arrestin cell-based assay format[1].

Solubility Information

Solubility	DMSO: 125 mg/mL (249.00 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.992 mL	9.9602 mL	19.9203 mL
5 mM	0.3984 mL	1.992 mL	3.9841 mL
10 mM	0.1992 mL	0.996 mL	1.992 mL
50 mM	0.0398 mL	0.1992 mL	0.3984 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.

Reference

Paul M. Hershberger, et al. Probing the CXCR6/CXCL16 Axis: Targeting Prevention of Prostate Cancer Metastasis.

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:36 Washington Street,Wellesley Hills,MA 02481