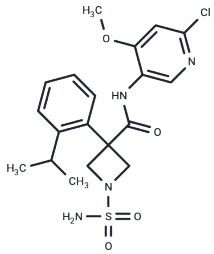
Data Sheet (Cat.No.T85589)

TargetMol

ACT-1016-0707

Chemical Properties



CAS No. : 2569467-78-1

Formula: C19H23ClN4O4S

Molecular Weight: 438.93

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	ACT-1016-0707 is a potent, selective, and insurmountable lysophosphatidic acid receptor 1 (LPA1) antagonist,ACT-1016-0707 demonstrates pronounced antifibrotic and anti-inflammatory activities in experimental models. ACT-1016-0707 has been studied extensively in vitro and in vivo lung fibrosis models, where it reduces pathological fibrotic progression, thereby representing a candidate compound for research into fibrotic lung diseases.
Targets(IC50)	LPA Receptor,LPL Receptor

Solubility Information

Solubility	DMSO: 80 mg/mL (182.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2783 mL	11.3913 mL	22.7827 mL
5 mM	0.4557 mL	2.2783 mL	4.5565 mL
10 mM	0.2278 mL	1.1391 mL	2.2783 mL
50 mM	0.0456 mL	0.2278 mL	0.4557 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

Lescop C, et al. Discovery of the Novel, Orally Active, and Selective LPA1 Receptor Antagonist ACT-1016-0707 as a Preclinical Candidate for the Treatment of Fibrotic Diseases. J Med Chem. 2024 Feb 22;67(4):2397-2424.

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