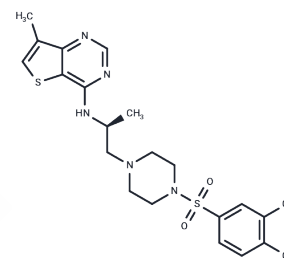


LPA2 antagonist 1

Chemical Properties

CAS No. :	1017606-66-4
Formula:	C ₂₀ H ₂₃ Cl ₂ N ₅ O ₂ S ₂
Molecular Weight:	500.47
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	LPA2 antagonist 1 is a highly efficient LPA2 antagonist.
Targets(IC50)	LPA Receptor, LPL Receptor
In vitro	LPA2 antagonist 1 inhibits LPA-induced Erk phosphorylation in a concentration-dependent manner. LPA2 antagonist 1 inhibits the proliferation of HCT-116 colon cancer cells induced by LPA in a dose-dependent manner. [1]

Solubility Information

Solubility	DMF: 80 mg/mL (159.85 mM), Sonication is recommended. DMSO: 80 mg/mL (159.85 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (6.59 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9981 mL	9.9906 mL	19.9812 mL
5 mM	0.3996 mL	1.9981 mL	3.9962 mL
10 mM	0.1998 mL	0.9991 mL	1.9981 mL
50 mM	0.040 mL	0.1998 mL	0.3996 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

Beck HP, et al. Discovery of potent LPA2 (EDG4) antagonists as potential anticancer agents. Bioorg Med Chem Lett. 2008 Feb 1;18(3):1037-41.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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