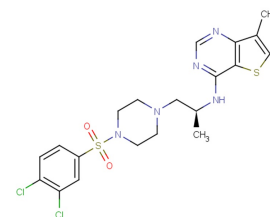


LPA2 antagonist 1

Chemical Properties

CAS No.:	1017606-66-4
Formula:	C20H23Cl2N5O2S2
Molecular Weight:	500.46
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	LPA2 antagonist 1 is an LPA2 antagonist (IC50: 17 nM).
Targets(IC50)	LPA2: 17 nM
In vitro	LPA2 antagonist 1 inhibits HCT-116 colon cancer cell proliferation caused by LPA in a doses dependent manner and it also inhibits the phosphorylation of Erk induced by LPA in a concentration-dependent manner .

Solubility Information

Solubility	DMF: 100 mg/mL (199.82 mM) DMSO: 100 mg/mL (199.82 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.998 mL	9.991 mL	19.982 mL
5 mM	0.4 mL	1.998 mL	3.996 mL
10 mM	0.2 mL	0.999 mL	1.998 mL
50 mM	0.04 mL	0.2 mL	0.4 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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