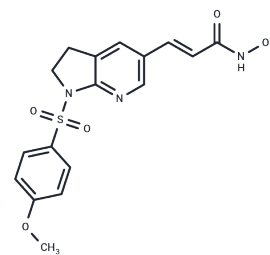


MPT0B390

Chemical Properties

CAS No. : 1817802-18-8
 Formula: C17H17N3O5S
 Molecular Weight: 375.4
 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	MPT0B390 is an inhibitor of HDAC and a TIMP3 inducer inhibiting tumor growth, metastasis, and angiogenesis.
Targets(IC50)	HDAC
In vitro	MPT0B390 exhibits antiproliferative activity against human colon cancer cell line HCT116 (GI50 = 0.03 μM)[1].

Solubility Information

Solubility	DMSO: 245 mg/mL (652.64 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6638 mL	13.3191 mL	26.6383 mL
5 mM	0.5328 mL	2.6638 mL	5.3277 mL
10 mM	0.2664 mL	1.3319 mL	2.6638 mL
50 mM	0.0533 mL	0.2664 mL	0.5328 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

Han-Li Huang, et al. TIMP3 expression associates with prognosis in colorectal cancer and its novel arylsulfonamide inducer, MPT0B390, inhibits tumor growth, metastasis and angiogenesis. Theranostics. 2019 Sep 18;9(22):6676-6689.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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