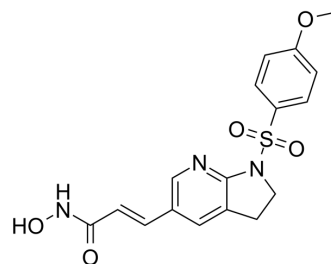


MPT0B390

Cat. No.:	HY-145426		
CAS No.:	1817802-18-8		
Molecular Formula:	C ₁₇ H ₁₇ N ₃ O ₅ S		
Molecular Weight:	375.4		
Target:	HDAC		
Pathway:	Cell Cycle/DNA Damage; Epigenetics		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (665.96 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

MPT0B390 is an arylsulfonamide-based derivative with potent HDAC inhibitory ability. MPT0B390, TIMP3 inducer, inhibits tumor growth, metastasis and angiogenesis. MPT0B390 shows antiproliferative activity against human colon cancer cell line HCT116 with the GI₅₀ of 0.03 μM^[1].

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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