

ISOTHIAZOLINE 1,1-DIOXIDE

Chemical Properties

CAS No. :	5908-62-3
Formula:	C3H7NO2S
Molecular Weight:	121.16
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	ISOTHIAZOLINE 1,1-DIOXIDE (isothiazolidine 1,1-dioxide) is a reactant used in the synthesis of orally bioavailable hepatitis B caspase inhibitors, and in the preparation of cryptochrome inhibitors as antidiabetic agents.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 27.5 mg/mL (226.97 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	8.2535 mL	41.2677 mL	82.5355 mL
5 mM	1.6507 mL	8.2535 mL	16.5071 mL
10 mM	0.8254 mL	4.1268 mL	8.2535 mL
50 mM	0.1651 mL	0.8254 mL	1.6507 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

Rolfe A , Painter T O , Asad N , et al. Triazole-containing isothiazolidine 1,1-dioxide library synthesis: one-pot, multi-component protocols for small molecular probe discovery.[J]. Acs Combinatorial Science, 2011.

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