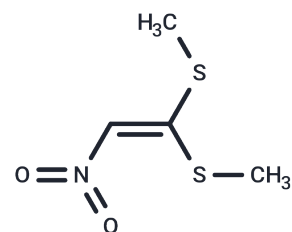


1,1-Bis(Methylthio)-2-Nitroethylene

Chemical Properties

CAS No. :	13623-94-4
Formula:	C ₄ H ₇ NO ₂ S ₂
Molecular Weight:	165.23
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1,1-Bis(Methylthio)-2-Nitroethylene (1,1-BMNE) has a variety of biochemical and physiological effects. It inhibits the activity of enzymes involved in the metabolism of drugs and other compounds, such as cytochrome P450 and acetylcholinesterase.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (302.61 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0522 mL	30.2608 mL	60.5217 mL
5 mM	1.2104 mL	6.0522 mL	12.1043 mL
10 mM	0.6052 mL	3.0261 mL	6.0522 mL
50 mM	0.121 mL	0.6052 mL	1.2104 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.

Reference

Zohreh N, Alizadeh A. ACS Comb Sci. 2013 Jun 10;15(6):278-86.

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