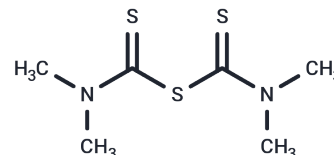


Tetramethylthiuram monosulfide

Chemical Properties

CAS No. :	97-74-5
Formula:	C ₆ H ₁₂ N ₂ S ₃
Molecular Weight:	208.37
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Tetramethylthiuram monosulfide is widely used as a catalyst in rubber-processing techniques, it possesses a medium-degree toxicity and causes point mutations in strains TA 100 and TA 1535 (Salmonella typhimurium LT 2).
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: 3 mg/ml (14.4 mM), DMSO: 50 mg/mL (239.96 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7992 mL	23.9958 mL	47.9916 mL
5 mM	0.9598 mL	4.7992 mL	9.5983 mL
10 mM	0.4799 mL	2.3996 mL	4.7992 mL
50 mM	0.096 mL	0.4799 mL	0.9598 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

Alanis OT, et al. Environ Res. 1982 Jun;28(1):199-211.

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