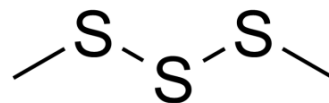


Dimethyl trisulfide

Cat. No.:	HY-128454		
CAS No.:	3658-80-8		
Molecular Formula:	C ₂ H ₆ S ₃		
Molecular Weight:	126.26		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (792.02 mM; Need ultrasonic)
 H₂O : 1 mg/mL (7.92 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.9202 mL	39.6008 mL	79.2017 mL
	5 mM	1.5840 mL	7.9202 mL	15.8403 mL
	10 mM	0.7920 mL	3.9601 mL	7.9202 mL

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

In Vivo

- Add each solvent one by one: **10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline**
 Solubility: ≥ 2.5 mg/mL (19.80 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**
 Solubility: ≥ 2.5 mg/mL (19.80 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% corn oil**
 Solubility: ≥ 2.5 mg/mL (19.80 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Dimethyl trisulfide is an organic chemical compound and the simplest organic trisulfide found in garlic, onion, broccoli, and similar plants. Dimethyl trisulfide is a cyanide antidote^[1].

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA