

tetrathiomolybdate

Chemical Properties

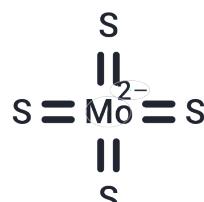
CAS No. : 16330-92-0

Formula: MoS₄

Molecular Weight: 224.2

Appearance:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Tetrathiomolybdate (TM) promotes the dimerization of the metal-binding domain (WLN4) of the cellular copper efflux protein ATP7B through its characteristic sulfur bridge Mo ₂ S ₆ O ₂ cluster, and is used in the clinical treatment of Wilson's disease.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4603 mL	22.3015 mL	44.603 mL
5 mM	0.8921 mL	4.4603 mL	8.9206 mL
10 mM	0.446 mL	2.2302 mL	4.4603 mL
50 mM	0.0892 mL	0.446 mL	0.8921 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

Fang T, et al. Nat Commun. 2019 Jan 14;10(1):186.

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