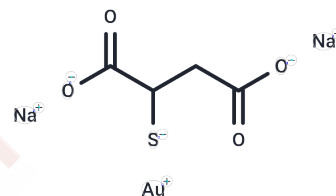


## Aurothiomalate sodium

## Chemical Properties

CAS No. :	74916-57-7
Formula:	C <sub>4</sub> H <sub>3</sub> AuNa <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	390.07
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	Sodium aurothiomalate is a gold compound that is used for its immunosuppressive anti-rheumatic effects. Aurothiomalate sodium (Miochrysin) is a potent and selective inhibitor of oncogenic PKC- $\alpha$ signaling. Aurothiomalate sodium is a potent thioredoxin reductase (TrxR) inhibitor. Aurothiomalate sodium exhibits potent anti-tumor activity.
Targets(IC50)	Reductase,PKC

## Solubility Information

Solubility	H <sub>2</sub> O: 200 mg/mL (512.73 mM),Sonication is recommended. DMSO: Insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5636 mL	12.8182 mL	25.6364 mL
5 mM	0.5127 mL	2.5636 mL	5.1273 mL
10 mM	0.2564 mL	1.2818 mL	2.5636 mL
50 mM	0.0513 mL	0.2564 mL	0.5127 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

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