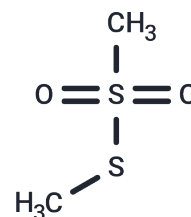


## S-Methyl methanesulfonylthioate

## Chemical Properties

CAS No. :	2949-92-0
Formula:	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> S <sub>2</sub>
Molecular Weight:	126.2
Storage:	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	S-Methyl methanesulfonylthioate is a biological raw material with cytotoxicity and potential antimicrobial activity for the study of Pseudomonas aeruginosa infections.
Targets(IC50)	Endogenous Metabolite,Antibacterial

## Solubility Information

Solubility	H <sub>2</sub> O: 100 mg/mL (792.39 mM),Sonication is recommended. DMSO: 100 mg/mL (792.39 mM),Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.9239 mL	39.6197 mL	79.2393 mL
5 mM	1.5848 mL	7.9239 mL	15.8479 mL
10 mM	0.7924 mL	3.962 mL	7.9239 mL
50 mM	0.1585 mL	0.7924 mL	1.5848 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

- Joller C,et al. S-methyl Methanethiosulfonate: Promising Late Blight Inhibitor or Broad Range Toxin? Pathogens. 2020 Jun 22;9(6):496.
- Miguel V,et al. Molecular view of the interaction of S-methyl methanethiosulfonate with DPPC bilayer. Biochim Biophys Acta. 2016 Jan;1858(1):38-46.

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