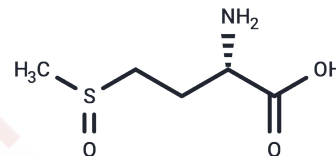


## L-Methionine sulfoxide

## Chemical Properties

CAS No. :	3226-65-1
Formula:	C5H11NO3S
Molecular Weight:	165.21
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	L-Methionine sulfoxide (H-Met(O)-OH) is a metabolite of Methionine that modulates oxidative stress and purinergic signaling parameters, while inducing M1/classical macrophage polarization.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	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	6.0529 mL	30.2645 mL	60.529 mL
5 mM	1.2106 mL	6.0529 mL	12.1058 mL
10 mM	0.6053 mL	3.0265 mL	6.0529 mL
50 mM	0.1211 mL	0.6053 mL	1.2106 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

Dos Santos LM, et al. Methionine and methionine sulfoxide treatment induces M1/classical macrophage polarization and modulates oxidative stress and purinergic signaling parameters. Mol Cell Biochem. 2017 Jan;424 (1-2):69-78.

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