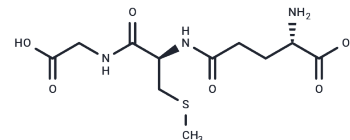


S-Methylglutathione

Chemical Properties

CAS No. :	2922-56-7
Formula:	C ₁₁ H ₁₉ N ₃ O ₆ S
Molecular Weight:	321.35
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	S-Methylglutathione (S-Methyl glutathione) is an S-substituted glutathione, an inhibitor of the 1-chloro-2,4-dinitrobenzene coupling catalyzed by transferase A and an XOCl scavenger. S-Methylglutathione inhibits glyoxalase 1 (glyoxalase 1), which induces the development of the glyoxalase 1 enzyme. S-Methylglutathione inhibits glyoxalase 1 (glyoxalase 1) and induces the formation of hydroid tentacle balls.
Targets(IC50)	Glyoxalase

Solubility Information

Solubility	H ₂ O: 15 mg/mL (46.68 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	3.1119 mL	15.5594 mL	31.1187 mL
5 mM	0.6224 mL	3.1119 mL	6.2237 mL
10 mM	0.3112 mL	1.5559 mL	3.1119 mL
50 mM	0.0622 mL	0.3112 mL	0.6224 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

Terwilliger TC, et al. S-methyl glutathione synthesis is catalyzed by the cheR methyltransferase in Escherichia coli. J Bacteriol. 1986 Mar;165(3):958-63.

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