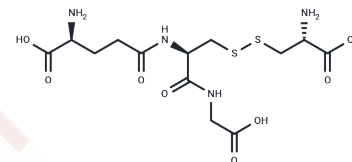


## L-Cysteine-glutathione disulfide

## Chemical Properties

CAS No. :	13081-14-6
Formula:	C13H22N4O8S2
Molecular Weight:	426.47
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	L-Cysteine-glutathione disulfide is a potential biomarker for curing tuberculosis, present in mammalian cells with hepatoprotective effects, useful in acetaminophen-induced liver toxicity research.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	PBS (pH 7.2): 8 mg/mL (18.76 mM), Sonication is recommended. H2O: 16 mg/mL (37.52 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	2.3448 mL	11.7242 mL	23.4483 mL
5 mM	0.469 mL	2.3448 mL	4.6897 mL
10 mM	0.2345 mL	1.1724 mL	2.3448 mL
50 mM	0.0469 mL	0.2345 mL	0.469 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

Yi WJ, et al. l-Histidine, arachidonic acid, biliverdin, and l-cysteine-glutathione disulfide as potential biomarkers for cured pulmonary tuberculosis. Biomed Pharmacother. 2019;116:108980.

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