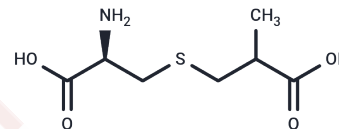


## S-(2-Carboxypropyl)cysteine

## Chemical Properties

CAS No. :	6852-42-2
Formula:	C7H13NO4S
Molecular Weight:	207.25
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	S-(2-Carboxypropyl)cysteine is a urinary metabolite of S-(2-Carboxypropyl)glutathione.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 50 mg/mL (241.25 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (9.65 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8251 mL	24.1255 mL	48.2509 mL
5 mM	0.965 mL	4.8251 mL	9.6502 mL
10 mM	0.4825 mL	2.4125 mL	4.8251 mL
50 mM	0.0965 mL	0.4825 mL	0.965 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

SUZUKI T, SUGII M, KAKIMOTO T. Metabolic incorporation of L-valine-[14C] into S-(2-carboxypropyl) glutathione and S-(2-carboxypropyl) cysteine in garlic. Chem Pharm Bull (Tokyo). 1962 Apr;10:328-31.

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