

## S-(Carboxymethyl)cysteine

## Chemical Properties

CAS No. : 25390-17-4

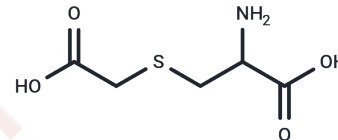
Formula: C<sub>5</sub>H<sub>9</sub>NO<sub>4</sub>S

Molecular Weight: 179.19

Keep away from direct sunlight

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	Carbocisteine (Mucodyne) is commonly used as an anti-infective nasal spray with mucolytic and expectorant effects.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble) H <sub>2</sub> O: 1.71 mg/mL (9.54 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	5.5807 mL	27.9033 mL	55.8067 mL
5 mM	1.1161 mL	5.5807 mL	11.1613 mL
10 mM	0.5581 mL	2.7903 mL	5.5807 mL
50 mM	0.1116 mL	0.5581 mL	1.1161 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

Takeda K, et al. Br J Pharmacol. 2010 Jul; 160(6): 1399-1407.

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