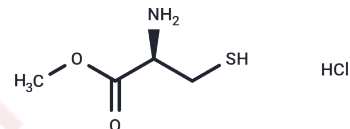


## L-Cysteine methyl ester hydrochloride

## Chemical Properties

CAS No. :	18598-63-5
Formula:	C <sub>4</sub> H <sub>10</sub> ClNO <sub>2</sub> S
Molecular Weight:	171.65
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-Cysteine methyl ester hydrochloride (L-Cysteine methyl ester hydrochloride (Acdrile)) is an antitussive and an expectorant agent, used to relieve breathing difficulties caused by mucus.
Targets(IC50)	Others,Amino Acids and Derivatives,Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 50 mg/mL (291.29 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 (11.65 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	5.8258 mL	29.129 mL	58.2581 mL
5 mM	1.1652 mL	5.8258 mL	11.6516 mL
10 mM	0.5826 mL	2.9129 mL	5.8258 mL
50 mM	0.1165 mL	0.5826 mL	1.1652 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

CHARPENTIER, DARROUZET. Rev Laryngol Otol Rhinol (Bord). 1956 Jan-Feb;77(1-2):147-53.

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