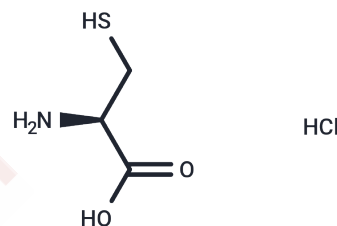


L-Cysteine hydrochloride

Chemical Properties

CAS No. :	52-89-1
Formula:	C ₃ H ₈ ClNO ₂ S
Molecular Weight:	157.62
Storage:	Keep away from direct sunlight 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 hydrochloride (L-Cysteine HCl) is a conditionally essential amino acid, L-Cysteine hydrochloride suppresses ghrelin and reduces appetite in rodents and humans
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 98 mg/mL (621.75 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	6.3444 mL	31.7219 mL	63.4437 mL
5 mM	1.2689 mL	6.3444 mL	12.6887 mL
10 mM	0.6344 mL	3.1722 mL	6.3444 mL
50 mM	0.1269 mL	0.6344 mL	1.2689 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

McGavigan AK, et al. L-cysteine suppresses ghrelin and reduces appetite in rodents and humans. Int J Obes (Lond). 2015 Mar;39(3):447-55.

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