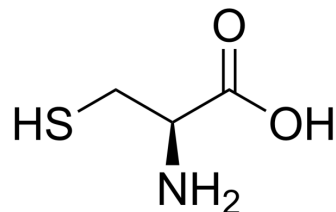


L-Cysteine

Cat. No.:	HY-Y0337		
CAS No.:	52-90-4		
Molecular Formula:	C ₃ H ₇ NO ₂ S		
Molecular Weight:	121.16		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 33.33 mg/mL (275.09 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	8.2535 mL	41.2677 mL	82.5355 mL
		5 mM	1.6507 mL	8.2535 mL	16.5071 mL
		10 mM	0.8254 mL	4.1268 mL	8.2535 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (825.35 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	L-Cysteine is a conditionally essential amino acid, which acts as a precursor for biologically active molecules such as hydrogen sulphide (H ₂ S), glutathione and taurine. L-Cysteine suppresses ghrelin and reduces appetite in rodents and humans ^[1] .	
IC ₅₀ & Target	Microbial Metabolite	Human Endogenous Metabolite

CUSTOMER VALIDATION

- Int J Biol Sci. 2023 Aug 21.

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- SSRN. 2023 Nov 17.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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