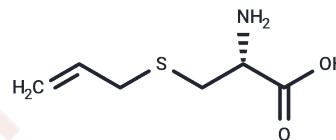


S-allyl-L-cysteine

Chemical Properties

CAS No. :	21593-77-1
Formula:	C ₆ H ₁₁ NO ₂ S
Molecular Weight:	161.22
Storage:	Store at low temperature 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	S-allyl-L-cysteine (S-Allylcysteine), a natural constituent of fresh garlic, has antioxidant and anticancer properties in animals.
Targets(IC50)	Apoptosis

Solubility Information

Solubility	DMSO: Insoluble, H ₂ O: 33.3 mg/mL (206.55 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	6.2027 mL	31.0135 mL	62.027 mL
5 mM	1.2405 mL	6.2027 mL	12.4054 mL
10 mM	0.6203 mL	3.1014 mL	6.2027 mL
50 mM	0.1241 mL	0.6203 mL	1.2405 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

Xu X, et al. J Food Sci Technol. 2015 Mar;52(3):1724-9.

Nie Y, Yu K, Li B, et al. S-allyl-L-cysteine attenuates bleomycin-induced pulmonary fibrosis and inflammation via AKT/NF- κ B signaling pathway in mice. Journal of pharmacological sciences. 2019 Apr;139(4):377-384.

Nie Y, Yu K, Li B, et al. S-allyl-L-cysteine attenuates bleomycin-induced pulmonary fibrosis and inflammation via AKT/NF- κ B signaling pathway in mice[J]. Journal of pharmacological sciences. 2019 Apr;139(4):377-384.

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