

## N-acetyl-S-geranylgeranyl-L-Cysteine

## Chemical Properties

CAS No. :	139332-94-8
Formula:	C <sub>25</sub> H <sub>41</sub> NO <sub>3</sub> S
Molecular Weight:	435.67
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	N-acetyl-S-geranylgeranyl-L-Cysteine is a synthetic substrate for the isoprenylated protein methyltransferase (also known as S-adenosylmethionine-dependent methyltransferase). Because it is able to serve as a substrate for the methyltransferase, it effectively functions as an inhibitor of methylation of endogenous isoprenylated proteins.
Targets(IC50)	Others,DNA Methyltransferase,Integrin

## Solubility Information

Solubility	DMSO: 33 mg/mL (75.75 mM),Sonication is recommended. DMF: 50 mg/mL (114.77 mM),Sonication is recommended. Ethanol: 50 mg/mL (114.77 mM),Sonication is recommended. 0.1 M Na <sub>2</sub> CO <sub>3</sub> : 11 mg/mL (25.25 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	2.2953 mL	11.4766 mL	22.9532 mL
5 mM	0.4591 mL	2.2953 mL	4.5906 mL
10 mM	0.2295 mL	1.1477 mL	2.2953 mL
50 mM	0.0459 mL	0.2295 mL	0.4591 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.

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