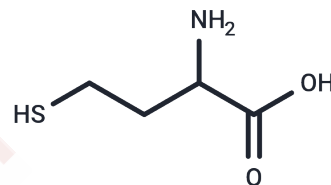


DL-Homocysteine

Chemical Properties

CAS No. :	454-29-5
Formula:	C ₄ H ₉ NO ₂ S
Molecular Weight:	135.18
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	DL-Homocysteine (2-Amino-4-mercaptopropanoic acid) is a potential marker for tumor cell growth. increased plasma homocysteine is a risk factor for coronary heart disease and carcinogenesis.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: Soluble, DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.3975 mL	36.9877 mL	73.9754 mL
5 mM	1.4795 mL	7.3975 mL	14.7951 mL
10 mM	0.7398 mL	3.6988 mL	7.3975 mL
50 mM	0.148 mL	0.7398 mL	1.4795 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

DL-Homocysteine, et al. Dual effect of DL-homocysteine and S-adenosylhomocysteine on brain synthesis of the glutamate receptor antagonist, kynurenic acid. J Neurosci Res. 2005 Feb 1;79(3):375-82.

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