

2-Aminoethanethiol

Chemical Properties

CAS No. : 60-23-1

Formula: C₂H₇NS

Molecular Weight: 77.15

Storage: Store at low temperature, Store under nitrogen
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	2-Aminoethanethiol (Cysteamine) is a Cystine Depleting Agent. The mechanism of action of cysteamine is as a Cystine Disulfide Reduction.
Targets(IC50)	Apoptosis, Reactive Oxygen Species, Endogenous Metabolite, Autophagy, Cysteine Protease, Somatostatin

Solubility Information

Solubility	DMSO: 194.4 mM, Sonication is recommended. H ₂ O: 194.4 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	12.9618 mL	64.8088 mL	129.6176 mL
5 mM	2.5924 mL	12.9618 mL	25.9235 mL
10 mM	1.2962 mL	6.4809 mL	12.9618 mL
50 mM	0.2592 mL	1.2962 mL	2.5924 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

Omran Z, et al. Bioorg Med Chem Lett. 2011 Jan 1;21(1):45-7.

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