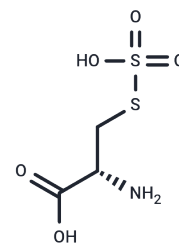


L-Cysteine S-sulfate

Chemical Properties

CAS No. :	1637-71-4
Formula:	C3H7NO5S2
Molecular Weight:	201.22
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	L-Cysteine S-sulfate (S-Sulfo-L-cysteine) is an effective N-methyl-d-aspartate (NMDA) glutamatergic receptors agonist. L-Cysteine S-sulfate is the substrate for cystine lyase [1].
Targets(IC50)	Endogenous Metabolite,NMDAR,iGluR

Solubility Information

Solubility	H2O: 247.5 mg/mL (1230 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9697 mL	24.8484 mL	49.6968 mL
5 mM	0.9939 mL	4.9697 mL	9.9394 mL
10 mM	0.497 mL	2.4848 mL	4.9697 mL
50 mM	0.0994 mL	0.497 mL	0.9939 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

Steventon GB, et, al. Comparison of the sulfur-oxygenation of cysteine and S-carboxymethyl-L-cysteine in human hepatic cytosol and the rôle of cysteine dioxygenase. J Pharm Pharmacol. 2018 Aug;70(8):1069-1077.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481