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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

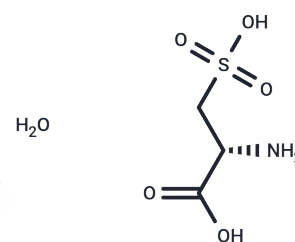
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L-Cysteic acid monohydrate

Chemical Properties

CAS No. :	23537-25-9
Formula:	C3H9NO6S
Molecular Weight:	187.17
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	L-Cysteic acid monohydrate (3-Sulfo-L-alanine Monohydrate) is an oxidation product of L-cysteine that may be used as a competitive inhibitor of the bacterial aspartate: alanine antiporter (AspT) exchange of aspartate and in other aspartate biological systems. L-Cysteic acid monohydrate is used in monomeric surfactant development. L-Cysteic acid monohydrate may be used in studies of excitatory amino acids in the brain, such as those that bind to cysteine sulfinic acid receptors. It is a useful agonist at several rat metabotropic glutamate receptors (mGluRs).
Targets(IC50)	Endogenous Metabolite, GluR

Solubility Information

Solubility	DMSO: 45 mg/mL (240.42 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3427 mL	26.7137 mL	53.4274 mL
5 mM	1.0685 mL	5.3427 mL	10.6855 mL
10 mM	0.5343 mL	2.6714 mL	5.3427 mL
50 mM	0.1069 mL	0.5343 mL	1.0685 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.

Reference

Parsons RB, et al. In vitro effect of the cysteine metabolites homocysteic acid, homocysteine and cysteic acid upon human neuronal cell lines. Neurotoxicology. 1998 Aug-Oct;19(4-5):599-603.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481