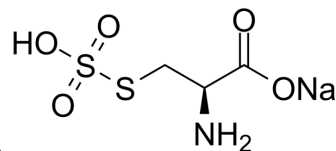


L-Cysteine S-sulfate sodium

Cat. No.:	HY-100787
CAS No.:	7381-67-1
Molecular Formula:	C ₃ H ₆ NNaO ₃ S ₂
Molecular Weight:	223.2
Target:	iGluR; Endogenous Metabolite
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

L-Cysteine S-sulfate sodium is a potent N-methyl-d-aspartate (NMDA) glutamatergic receptors agonist. L-Cysteine S-sulfate sodium hydrate is the substrate for cystine lyase, it can be used in mass spectrometry operations^{[1][2][3]}.

REFERENCES

- [1]. 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.
- [2]. Macaluso V, et al. l-Cysteine Modified by S-Sulfation: Consequence on Fragmentation Processes Elucidated by Tandem Mass Spectrometry and Chemical Dynamics Simulations. J Phys Chem A. 2019 May 2;123(17):3685-3696.
- [3]. Elucidated by Tandem Mass Spectrometry and Chemical Dynamics Simulations. J Phys Chem A. 2019 May 2;123(17):3685-3696.

Caution: Product has not been fully validated for medical applications. For research use only.

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