

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



# DATASHEET

## L-Cysteinesulfinic acid monohydrate

### Product overview

<b>Name</b>	L-Cysteinesulfinic acid monohydrate
<b>Cat No</b>	HB0380
<b>Description</b>	mGlu <sub>1α</sub> / mGlu <sub>5α</sub> agonist
<b>Alternative names</b>	L-CSA
<b>Biological action</b>	Agonist

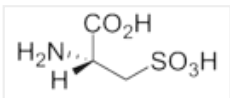
### Biological Data

<b>Biological description</b>	mGlu <sub>1α</sub> and mGlu <sub>5α</sub> receptor agonist in RGT cell lines. Also acts as a NMDA receptor agonist and PLD-coupled mGlu receptor agonist.
-------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------

### Solubility & Handling

<b>Storage instructions</b>	-20 °C (desiccate)
<b>Solubility overview</b>	Soluble in water (100mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Molecular Weight</b>	171.17
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>3</sub> H <sub>7</sub> NO <sub>4</sub> S.H <sub>2</sub> O
<b>CAS Number</b>	1115-65-7
<b>PubChem identifier</b>	1549098
<b>SMILES</b>	[H][C@](N)(CS(O)=O)C(O)=O
<b>InChiKey</b>	ADVPTQAUNPRNPO-REOHCLBHSA-N

### References

**Sulphur-containing amino acids are agonists for group 1 metabotropic receptors expressed in clonal RGT cell lines.**

Kingston AE *et al* (1998) *Neuropharmacology* 37(3)

**PubMedID** [9681926](#)

**Sulphur-containing excitatory amino acid-stimulated inositol phosphate formation in primary cultures of cerebellar granule cells is mediated predominantly by N-methyl-D-aspartate receptors.**

Gorman A *et al* (1994) *Neuroscience* 59(2)

**PubMedID** [8008194](#)

**L-cysteine sulfinic acid as an endogenous agonist of a novel metabotropic receptor coupled to stimulation of phospholipase**

**D activity.**

Boss V *et al* (1994) *Mol Pharmacol* 45(6)

**PubMedID** [8022410](#)

**Metabotropic glutamate receptors activate phospholipase D in astrocytes through a protein kinase C-dependent and Rho-independent pathway.**

Servitja JM *et al* (2003) *Neuropharmacology* 44(2)

**PubMedID** [12623215](#)

---