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## DATASHEET

### LY-367385 hydrochloride

### Product overview

<b>Name</b>	LY-367385 hydrochloride
<b>Cat No</b>	HB5153
<b>Biological action</b>	Antagonist
<b>Description</b>	Potent, highly selective mGlu <sub>1a</sub> antagonist. Water soluble.

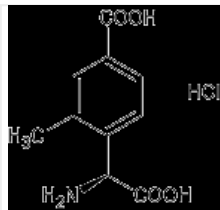
### Biological Data

<b>Biological description</b>	Potent, selective and competitive mGlu <sub>1a</sub> receptor antagonist (IC <sub>50</sub> = 8.8 μM for blockade of quis-induced phosphoinositide (PI) hydrolysis, compared with >100μM for mGluR <sub>5</sub> mediated responses). Water soluble form of <b>LY367385</b> . Impairs induction and late phases of both LTP and LTD when applied before high-frequency tetanization (HFT) or low-frequency stimulation (LFS). Shows antidepressant, anticonvulsant and neuroprotective effects.
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### Solubility & Handling

<b>Storage instructions</b>	Room temperature
<b>Solubility overview</b>	Soluble in water (100 mM)
<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>Chemical name</b>	(S)-(+)-α-Amino-4-carboxy-2-methylbenzeneacetic acid hydrochloride
<b>Molecular Weight</b>	245.7
<b>Chemical structure</b>	 The image shows the chemical structure of (S)-(+)-α-Amino-4-carboxy-2-methylbenzeneacetic acid hydrochloride. It consists of a benzene ring with a methyl group (H <sub>3</sub> C) at the 2-position, an amino group (H <sub>2</sub> N) at the 1-position, and a carboxylic acid group (COOH) at the 4-position. A second carboxylic acid group (COOH) is attached to the alpha carbon of the side chain. The structure is shown as a 3D ball-and-stick model with labels for the atoms and groups. The label "HCl" is also present, indicating the hydrochloride salt form.
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>11</sub> NO <sub>4</sub> .HCl
<b>CAS Number</b>	198419-91-9
<b>SMILES</b>	Cl.Cc1cc(ccc1[C@H](N)C(=O)O)C(=O)O
<b>InChi</b>	InChI=1S/C10H11NO4.ClH/c1-5-4-6(9(12)13)2-3-7(5)8(11)10(14)15;/h2-4,8H,11H2,1H3,(H,12,13)(H,14,15);1H/t8-;/m0./s1
<b>InChiKey</b>	IGKQWSUZDKTEPR-QRPNPIFTSA-N