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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. |

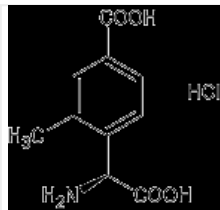
### Biological Data

|                               |   |
|-------------------------------|---|
| <b>Biological description</b> | Potent, selective and competitive mGlu <sub>1a</sub> receptor antagonist ( $IC_{50} = 8.8 \mu\text{M}$ for blockade of quis-induced phosphoinositide (PI) hydrolysis, compared with $>100\mu\text{M}$ 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. |
|-------------------------------|---|

### 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)-(+)- $\alpha$ -Amino-4-carboxy-2-methylbenzeneacetic acid hydrochloride   |
| <b>Molecular Weight</b>   | 245.7   |
| <b>Chemical structure</b> |  The chemical structure shows 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 hydrochloride salt (HCl). |
| <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   |