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DATASHEET

LY-367385 hydrochloride

Product overview

Name	LY-367385 hydrochloride
Cat No	HB5153
Biological action	Antagonist
Description	Potent, highly selective $mGlu_{1a}$ antagonist. Water soluble.

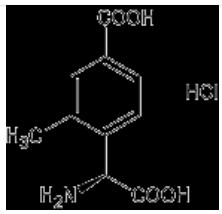
Biological Data

Biological description	Potent, selective and competitive $mGlu_{1a}$ receptor antagonist (IC_{50} = 8.8 μM for blockade of quis-induced phosphoinositide (PI) hydrolysis, compared with >100μM for $mGluR_5$ mediated responses). Water soluble form of LY367385. 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

Storage instructions	Room temperature
Solubility overview	Soluble in water (100 mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	(S)-(+)-α-Amino-4-carboxy-2-methylbenzeneacetic acid hydrochloride
Molecular Weight	245.7
Chemical structure	
Molecular Formula	$C_{10}H_{11}NO_4.HCl$
CAS Number	198419-91-9
SMILES	Cl.Cc1cc(ccc1[C@H](N)C(=O)O)C(=O)O
InChi	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
InChiKey	IGKQWSUZDKTEPR-QRPNPIFTSA-N