(±)-LY367385

Cat. No.: HY-135464

CAS No.: 198419-90-8

Molecular Formula: $C_{10}H_{11}NO_4$

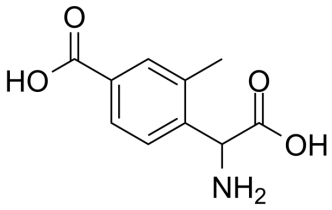
Molecular Weight: 209.2

Target: mGluR

Pathway: GPCR/G Protein; Neuronal Signaling

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H_2O : 5.56 mg/mL (26.58 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.7801 mL	23.9006 mL	47.8011 mL
	5 mM	0.9560 mL	4.7801 mL	9.5602 mL
	10 mM	0.4780 mL	2.3901 mL	4.7801 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

(±)-LY367385 is the racemate of LY367385. LY367385 is a highly potent and selective mGluR1a antagonist. LY367385 has an IC_{50} of 8.8 μM for inhibits of quisqualate-induced phosphoinositide (PI) hydrolysis, compared with > 100 μM for mGlu5a[1][2].

In Vivo

mGluR1a□□□

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Clark et al. (+)-2-Methyl-4-carboxyphenylglycine (LY 367385) selectively antagonises metabotropic glutamate mGluR1 receptors. Bioorg.Med.Chem.Lett. November 1997, 7 (21): 2777-2780.

[2]. V Bruno, et al. Neuroprotective activity of the potent and selective mGlu1a metabotropic glutamate receptor antagonist, (+)-2-methyl-4 carboxyphenylglycine (LY367385): comparison with LY357366, a broader spectrum antagonist with equal affinity for mGlu1a

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

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