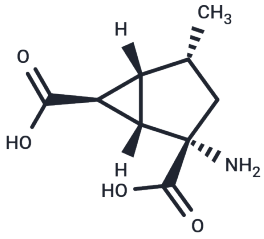
Data Sheet (Cat.No.T11906)

TargetMol

LY 541850

Chemical Properties



CAS No. : 852679-76-6

Formula: C9H13NO4

Molecular Weight: 199.2

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	LY541850 is a selective orthosteric mGlu2 agonist and mGlu3 antagonist with IC50 values of 0.161 μM and 0.038 μM, respectively.LY 541850 is claimed from human ionotropic and metabotropic glutamate (mGlu) receptors expressed in non-neuronal cells.
Targets(IC50)	GluR
In vivo	LY 541850 (intraperitoneal injection;?10 mg/kg-300 mg/kg;?30 min prior) reduces the increased locomotor activity of phencyclidine and amphetamine in a dose-dependent manner in male ICR mice[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0201 mL	25.1004 mL	50.2008 mL
5 mM	1.004 mL	5.0201 mL	10.0402 mL
10 mM	0.502 mL	2.510 mL	5.0201 mL
50 mM	0.1004 mL	0.502 mL	1.004 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hanna L, et al. Differentiating the roles of mGlu2 and mGlu3 receptors using LY541850, an mGlu2 agonist/mGlu3 antagonist. Neuropharmacology. 2013 Mar;66:114-21.

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