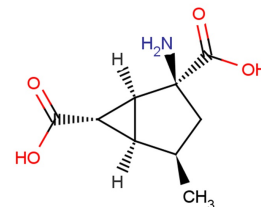


LY 541850

**Chemical Properties**

CAS No.:	852679-76-6
Formula:	C <sub>9</sub> H <sub>13</sub> NO <sub>4</sub>
Molecular Weight:	199.2
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	LY541850 is a selective orthosteric mGlu2 agonist and mGlu3 antagonist with IC <sub>50</sub> values of 0.161 $\mu$ M and 0.038 $\mu$ M, respectively. LY 541850 is claimed from human ionotropic and metabotropic glutamate (mGlu) receptors expressed in non-neuronal cells.
Targets(IC <sub>50</sub> )	mGluR2: 0.161 $\mu$ M mGluR3: 1.05 $\mu$ M
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].

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.02 mL	25.1 mL	50.201 mL
5 mM	1.004 mL	5.02 mL	10.04 mL
10 mM	0.502 mL	2.51 mL	5.02 mL
50 mM	0.1 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. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481