
Product Data Sheet

Product Name: LY 541850

Cat. No.: GC36504

Chemical Properties

Cas. No. 852679-76-6

SMILES O=C([C@@]1(N)[C@]2([H])[C@@H](C(O)=O)[C@]2([H])[C@H](C)C1)OFormula $C_9H_{13}NO_4$ M.Wt 199.2

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

LY 541850 is claimed from human ionotropic and metabotropic glutamate (mGlu) receptors expressed in non-neuronal cells. LY541850 is a selective orthosteric mGlu2 agonist and mGlu3 antagonist with IC50 values of 0.161 μM and 0.038 μM, respectively[1]. mGluR2|0.161 μM (IC50)|mGluR3|1.05 μM (IC50)

LY 541850 (intraperitoneal injection; 10 mg/kg-300 mg/kg; 15 min prior) induces a concentration-dependent inhibition of the TAP evoked fEPSPs in CA1-SLM in 10-16 week old (EC50 42 nM) in CD-1 mice[1]. 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].

[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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
