

Product Data Sheet

Product Name: (Rac)-LY341495

Cat. No.: GC71577

Chemical Properties

Cas. No.

Formula $C_{20}H_{19}NO_5$ M.Wt 353.37

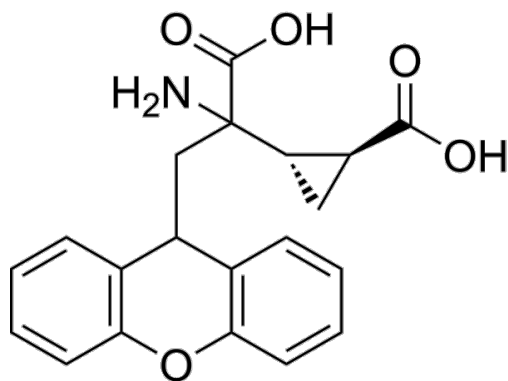
Solubility DMSO : 2.5 mg/mL (7.07 mM);
ultrasonic and warming and heat to
60°C; Hygroscopic DMSO has a
significant impact on the solubility of
product, please use newly opened
DMSO)

Storage -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

(Rac)-LY341495 is the isomer of LY341495 , and can be used as an experimental control. LY341495 is a metabotropic glutamate receptor (mGluR) antagonist with IC50s of 21 nM, 14 nM, 7.8 μM, 8.2 μM, 170 nM, 990 nM, 22 μM for mGlu2, mGlu3, mGlu1a, mGlu5a, mGlu8, mGlu7, and mGlu4

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

Product Data Sheet

receptors, respectively.

References:

- [1]. A E Kingston, et al. LY341495 Is a Nanomolar Potent and Selective Antagonist of Group II Metabotropic Glutamate Receptors. *Neuropharmacology*. 1998;37(1):1-12.
- [2]. Pitsikas N, et al. The metabotropic glutamate 2/3 receptor antagonist LY341495 differentially affects recognition memory in rats. *Behav Brain Res*. 2012 May 1;230(2):374-9.
- [3]. Sutton LP, et al. Regulation of Akt and Wnt signaling by the group II metabotropic glutamate receptor antagonist LY341495 and agonist LY379268. *J Neurochem*. 2011 Jun;117(6):973-83.
- [4]. Linden AM, et al. Use of MGLUR2 and MGLUR3 knockout mice to explore in vivo receptor specificity of the MGLUR2/3 selective antagonist LY341495. *Neuropharmacology*. 2009 Aug;57(2):172-82. Epub 2009 May 27.
- [5]. Li J, et al. N-acetyl-cysteine attenuates neuropathic pain by suppressing matrix metalloproteinases. *Pain*. 2016 Aug;157(8):1711-23.

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