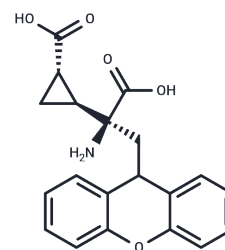


LY341495

Chemical Properties

CAS No. : 201943-63-7
 Formula: C₂₀H₁₉NO₅
 Molecular Weight: 353.37
 Storage: Store at low temperature
 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	LY341495 is a potent metabotropic glutamate receptor antagonist that exhibits high activity against a wide range of glutamate receptor subtypes and can be used for the study of neurological disorders.
Targets(IC50)	GluR
In vivo	Acute administration of LY341495 (3.0 mg/kg) reduces levels of pAkt and pGSK-3, but repeated administration (3.0 mg/kg) is required to decrease β -catenin levels[2].

Solubility Information

Solubility	DMSO: 5 mg/mL (14.15 mM), Sonication is recommended. H ₂ O: < 0.1 mg/mL (insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8299 mL	14.1495 mL	28.299 mL
5 mM	0.566 mL	2.8299 mL	5.6598 mL
10 mM	0.283 mL	1.4149 mL	2.8299 mL
50 mM	0.0566 mL	0.283 mL	0.566 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

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.

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.

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.

Li J, et al. N-acetyl-cysteine attenuates neuropathic pain by suppressing matrix metalloproteinases. *Pain.* 2016 Aug;157(8):1711-23.

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