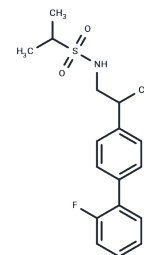


LY392098

Chemical Properties

CAS No. : 211311-39-6
 Formula: C₁₈H₂₂FNO₂S
 Molecular Weight: 335.44
 Storage: Keep away from direct sunlight
 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	LY392098 (AMPA receptor modulator-3) is an allosteric modulator of AMPA receptor with EC ₅₀ of 4.4 μM and can be used in studies about mammalian nervous system.
Targets(IC ₅₀)	GluR,iGluR
In vitro	LY392098 potentiates responses mediated by 100 μM L-glutamate in HEK-293 cells expressing iGluR4 flip[3].

Solubility Information

Solubility	DMSO: 225 mg/mL (670.76 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9812 mL	14.9058 mL	29.8116 mL
5 mM	0.5962 mL	2.9812 mL	5.9623 mL
10 mM	0.2981 mL	1.4906 mL	2.9812 mL
50 mM	0.0596 mL	0.2981 mL	0.5962 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

O'Neill MJ, Witkin JM. AMPA receptor potentiators: application for depression and Parkinson's disease. *Curr Drug Targets*. 2007 May;8(5):603-20. Review.

Farley S, et al. Antidepressant-like effects of an AMPA receptor potentiator under a chronic mild stress paradigm. *Int J Neuropsychopharmacol*. 2010 Oct;13(9):1207-18.

Kasper Harpsøe, et al. Prediction of the binding mode of biarylpropylsulfonamide allosteric AMPA receptor modulators based on docking, GRID molecular interaction fields and 3D-QSAR analysis. *J Mol Graph Model*. 2008 Jan;26(5):874-83.

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