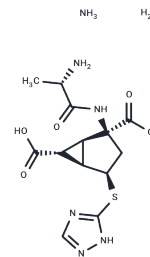


LY2979165

Chemical Properties

CAS No. : 1311385-32-6
 Formula: C₁₃H₂₂N₆O₆S
 Molecular Weight: 390.42
 Storage: 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	LY2979165 (mGlu2 agonist) is an orthosteric agonist of mGluR2 and can be used in studies about serving as an anti-depressant.
Targets(IC50)	GluR
In vivo	LY2979165 reduces BOLD signal and increases plasma levels of 2812223 in vivo[1].

Solubility Information

Solubility	H ₂ O: 40 mg/mL (102.45 mM), Sonication is recommended. DMSO: 1 mg/mL (2.56 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5613 mL	12.8067 mL	25.6134 mL
5 mM	0.5123 mL	2.5613 mL	5.1227 mL
10 mM	0.2561 mL	1.2807 mL	2.5613 mL
50 mM	0.0512 mL	0.2561 mL	0.5123 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

Mitul A Mehta, et al. Group II metabotropic glutamate receptor agonist prodrugs LY2979165 and LY2140023 attenuate the functional imaging response to ketamine in healthy subjects. *Psychopharmacology (Berl)*. 2018 Jul; 235(7):1875-1886.

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Ceolin L, et al. Study of novel selective mGlu2 agonist in the temporo-ammonic input to CA1 neurons reveals reduced mGlu2 receptor expression in a Wistar substrain with an anxiety-like phenotype. *J Neurosci*. 2011 May 4; 31(18):6721-31.

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