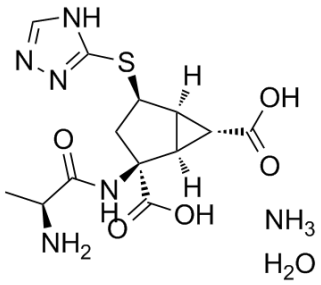
LY2979165

Cat. No.:	HY-13239
CAS No.:	1311385-32-6
Molecular Formula:	$C_{13}H_{22}N_6O_6S$
Molecular Weight:	390.42
Target:	mGluR
Pathway:	GPCR/G Protein
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



Solvent & Solubility

In Vitro

H_2O : ≥ 50 mg/mL (128.07 mM)
DMSO : < 1 mg/mL (insoluble or slightly soluble)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**
Solubility: ≥ 0.1 mg/mL (0.26 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

LY2979165 is a mGlu2 agonist, which is a novel potent agent that is used as anti-depressants.IC50 Value:Target: mGluR

REFERENCES

[1]. http://clinicaltrials.gov/ct2/show/NCT01383967

[2]. Hanna L, Ceolin L, Lucas S, Monn J, Johnson B, Collingridge G, Bortolotto Z, Lodge D.Differentiating the roles of mGlu2 and mGlu3 receptors using

LY541850, an mGlu2 agonist/mGlu3 antagonist.Neuropharmacology. 2012 Mar 15.

[3]. Ceolin L, Kantamneni S, Barker GR, Hanna L, Murray L, Warburton EC, Robinson ES, Monn JA, Fitzjohn SM, Collingridge GL, Bortolotto ZA, Lodge D.Study of novel selective mGlu2 agonist in the temporo-ammonic input to CA1 neurons reveals reduced mGlu2 recepto

[4]. Liu W, Downing AC, Munsie LM, Chen P, Reed MR, Ruble CL, Landschulz KT, Kinon BJ, Nisenbaum LK.Pharmacogenetic analysis of the mGlu2/3 agonist LY2140023 monohydrate in the treatment of schizophrenia.Pharmacogenomics J. 2012 Jun;12(3):246-54.

[5]. Dominguez C, Prieto L, Valli MJ, Massey SM, Bures M, Wright RA, Johnson BG, Andis SL, Kingston A, Schoepp DD, Monn JA.Methyl substitution of 2-aminobicyclo[3.1.0]hexane 2,6-dicarboxylate (LY354740) determines functional activity at metabotropic glutamate

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