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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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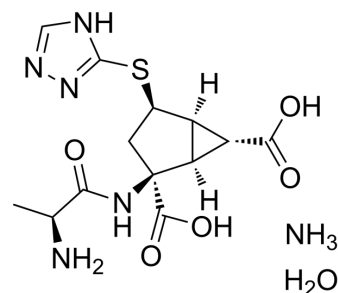
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LY2979165

Cat. No.:	HY-13239
CAS No.:	1311385-32-6
Molecular Formula:	C ₁₃ H ₂₂ N ₆ O ₆ S
Molecular Weight:	390.42
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : ≥ 50 mg/mL (128.07 mM) DMSO : < 1 mg/mL (insoluble or slightly soluble) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	Solvent Concentration Mass	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: PBS Solubility: 50 mg/mL (128.07 mM); Clear solution; Need ultrasonic				
	2. 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 the alanine proagent of 2812223, a selective and potent orthosteric mGlu2 receptor agonist ^[1] .
IC ₅₀ & Target	mGlu2 Receptor
In Vivo	LY2979165 attenuated the ketamine-evoked BOLD pHMRI signal in vivo ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Juliet McColm , et al. Evaluation of Single and Multiple Doses of a Novel mGlu2 Agonist, a Potential Antipsychotic Therapy, in Healthy Subjects. Br J Clin Pharmacol. 2017 Aug;83(8):1654-1667.

[2]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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