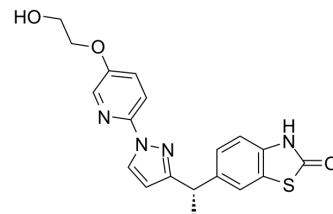


LY3130481

Cat. No.:	HY-108707		
CAS No.:	1610802-47-5		
Molecular Formula:	C ₁₉ H ₁₈ N ₄ O ₃ S		
Molecular Weight:	382		
Target:	iGluR		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (654.45 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.6178 mL	13.0890 mL	26.1780 mL
		5 mM	0.5236 mL	2.6178 mL	5.2356 mL
10 mM		0.2618 mL	1.3089 mL	2.6178 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (5.45 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.45 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.45 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	LY3130481 is an AMPA receptor antagonist that is dependent upon transmembrane AMPA receptor regulatory protein (TARP) γ-8, selective inhibits AMPA/TARP γ-8 with an IC ₅₀ of 65 nM ^[1] .
IC₅₀ & Target	IC ₅₀ 65 nM (AMPA/TARP γ-8) ^[1]

REFERENCES

[1]. Gardinier KM, et al. Discovery of the First α -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA) Receptor Antagonist Dependent upon Transmembrane AMPA Receptor Regulatory Protein (TARP) γ -8. J Med Chem. 2016 May 26;59(10):4753-68.

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

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