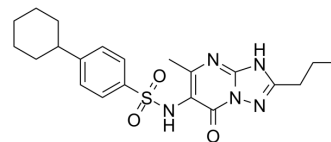


GNE-9278

Cat. No.:	HY-129527		
CAS No.:	2315311-83-0		
Molecular Formula:	C ₂₁ H ₂₇ N ₅ O ₃ S		
Molecular Weight:	429.54		
Target:	iGluR		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 2 mg/mL (4.66 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.3281 mL	11.6404 mL	23.2807 mL	
5 mM	---	---	---	
10 mM	---	---	---	

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

BIOLOGICAL ACTIVITY

Description

GNE-9278 is a highly selective positive allosteric modulator of NMDAR that acts at the GluN1 transmembrane domain (TMD). GNE-9278 acts on activated NMDARs to increase peak current and agonist affinity^[1].

IC₅₀ & Target

NMDAR^[1]

In Vitro

GNE-9278 (50 μM) slows deactivation with multiple agonists (D-Glu, L-Glu and L-CCG-IV) and enhances the potency of both Glu and Gly^[1].

GNE-9278 robustly potentiates GluN2A, 2B, 2C and 2D-containing NMDARs as measured by calcium influx assays from HEK cell lines with EC₅₀s of 0.74, 3.07, 0.47, and 0.32 μM, respectively^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA