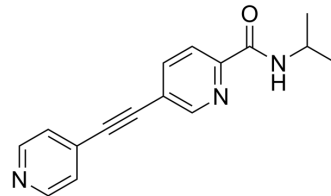


LSN2463359

Cat. No.:	HY-110152		
CAS No.:	1401031-52-4		
Molecular Formula:	C ₁₆ H ₁₅ N ₃ O		
Molecular Weight:	265.31		
Target:	mGluR		
Pathway:	GPCR/G Protein; 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 : 125 mg/mL (471.15 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7692 mL	18.8459 mL	37.6918 mL
	5 mM	0.7538 mL	3.7692 mL	7.5384 mL
	10 mM	0.3769 mL	1.8846 mL	3.7692 mL

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

BIOLOGICAL ACTIVITY

Description

LSN2463359 is positive allosteric modulator of metabotropic glutamate 5 (mGlu₅). LSN2463359 attenuates aspects of the behavioral response to administration of the competitive NMDA receptor antagonist. LSN2463359 selectively attenuates reversal learning deficits observed in the neurodevelopmental MAM E17 model^[1]. LSN2463359 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

REFERENCES

[1]. Gastambide F, et al. The mGlu₅ positive allosteric modulator LSN2463359 differentially modulates motor, instrumental and cognitive effects of NMDA receptor antagonists in the rat. *Neuropharmacology*. 2013;64:240-247.

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

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