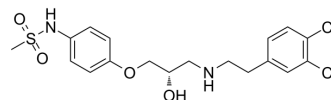


NR2B-selective NMDA receptor antagonist 1

Cat. No.:	HY-126123
CAS No.:	457897-92-6
Molecular Formula:	C ₁₈ H ₂₂ Cl ₂ N ₂ O ₄ S
Molecular Weight:	433.35
Target:	iGluR; Potassium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	NR2B-selective NMDA receptor antagonist 1 (compound 29) is a potent antagonist of NR1/NR2B receptors, with IC ₅₀ s of 0.05 μM, 0.73 μM, 2.4 μM to NR1/NR2B NMDA receptor, hERG, α1-AdR, respectively. NR2B-selective NMDA receptor antagonist 1 exhibits efficient permeability across the blood-brain barrier ^[1] .
In Vitro	NR2B-selective NMDA receptor antagonist 1 (compound 29) (1 μM) can attenuates LDH level induced by NMDA ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	NR2B-selective NMDA receptor antagonist 1 (compound 29) (30 mg/kg, i.p. once) shows reduction of infarct volume ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yesim A Tahirovic, et al. Enantiomeric Propanolamines as selective N-Methyl-D-aspartate 2B Receptor Antagonists. J Med Chem. 2008 Sep 25;51(18):5506-21.

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