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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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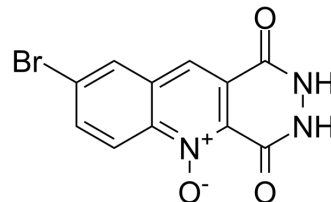
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MRZ 2-514

Cat. No.:	HY-101620
CAS No.:	202808-11-5
Molecular Formula:	C ₁₁ H ₆ BrN ₃ O ₃
Molecular Weight:	308.09
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 8.33 mg/mL (27.04 mM); ultrasonic and warming and heat to 60°C

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	3.2458 mL	16.2290 mL	32.4580 mL	
5 mM	0.6492 mL	3.2458 mL	6.4916 mL	
10 mM	0.3246 mL	1.6229 mL	3.2458 mL	

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

BIOLOGICAL ACTIVITY

Description

MRZ 2-514 is an antagonist of the strychnine-insensitive modulatory site of the NMDA receptor (glycineB), with K_i of 33 μM.

IC₅₀ & Target

K_i: 33 μM (glycineB)^[1]

In Vitro

MRZ 2-514 has IC₅₀ values against peak AMPA-induced currents of 72.7 μM^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

MRZ 2/514 has anticonvulsive action in the MES model in mice, and the effect is prolonged by probenecid^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Cell Death Discov. 2020 Sep 17;6:87.

REFERENCES

[1]. Parsons CG, et al. Novel systemically active antagonists of the glycine site of the N-methyl-D-aspartate receptor: electrophysiological, biochemical and behavioral characterization. *Journal of Pharmacology and Experimental Therapeutics* (1997), 283(3), 126

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

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