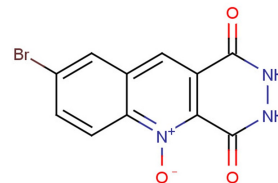


MRZ 2-514

## Chemical Properties

CAS No.:	202808-11-5
Formula:	C <sub>11</sub> H <sub>6</sub> BrN <sub>3</sub> O <sub>3</sub>
Molecular Weight:	308.09
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	MRZ 2-514 is a strychnine-insensitive modulatory site of the NMDA receptor (glycineB) antagonist (K <sub>i</sub> of 33 μM).
Targets(IC <sub>50</sub> )	glycineB(ki): k <sub>i</sub> :33 μM
In vitro	MRZ 2-514 against peak AMPA-induced currents with IC <sub>50</sub> values of 72.7 μM[1].
In vivo	In mice, MRZ 2/514 has anticonvulsive action in the MES model, and the effect is prolonged by probenecid[1].

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.246 mL	16.229 mL	32.458 mL
5 mM	0.649 mL	3.246 mL	6.492 mL
10 mM	0.325 mL	1.623 mL	3.246 mL
50 mM	0.065 mL	0.325 mL	0.649 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

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), 1264-1275

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