
Product Data Sheet

Product Name: MRZ 2-514

Cat. No.: GC31036

Chemical Properties

Cas. No. 202808-11-5

SMILES O=C1NNC(C2=C1C=C3C=C(Br)C=CC3=[N+]2[O-])=O

Formula $C_{11}H_6BrN_3O_3$

M.Wt 308.09

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

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

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

MRZ 2-514 has IC_{50} values against peak AMPA-induced currents of 72.7 μ M[1].

MRZ 2/514 has anticonvulsive action in the MES model in mice, and the effect is prolonged by probenecid[1].

[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

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

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