

MRS4719

## Chemical Properties

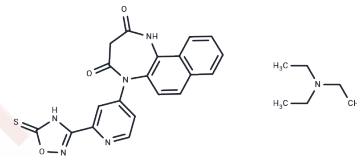
CAS No. : 2840581-32-8

Formula: C<sub>26</sub>H<sub>13</sub>N<sub>5</sub>O<sub>3</sub>S.C<sub>6</sub>H<sub>15</sub>N

Molecular Weight: 504.6

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	MRS4719, a potent P2X <sub>4</sub> receptor antagonist, exhibits a half-maximal inhibitory concentration (IC <sub>50</sub> ) of 0.503 μM for the human P2X <sub>4</sub> receptor. Demonstrating both neuroprotective and neuro-rehabilitative effects, it can decrease infarct volume and brain atrophy in an ischemic stroke model. Additionally, MRS4719 mitigates ATP-induced calcium influx in primary human monocyte-derived macrophages, making it a valuable tool for researching ischemic stroke.
Targets(IC <sub>50</sub> )	Others,P2X Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9818 mL	9.9088 mL	19.8177 mL
5 mM	0.3964 mL	1.9818 mL	3.9635 mL
10 mM	0.1982 mL	0.9909 mL	1.9818 mL
50 mM	0.0396 mL	0.1982 mL	0.3964 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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