

MRS4596

Chemical Properties

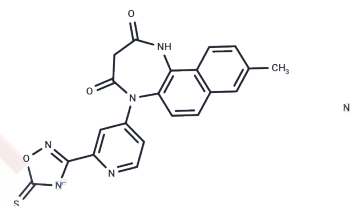
CAS No. :

Formula: C₂₁H₁₄N₅NaO₃S

Molecular Weight: 439.42

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	MRS4596, a potent and selective antagonist of the P2X ₄ receptor, exhibits an IC ₅₀ of 1.38 μM for the human P2X ₄ receptor. This compound demonstrates both neuroprotective and neuro-rehabilitative effects in ischemic stroke models, making it valuable for research purposes in the context of ischemic stroke.
Targets(IC ₅₀)	Others,P2X Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2757 mL	11.3786 mL	22.7573 mL
5 mM	0.4551 mL	2.2757 mL	4.5515 mL
10 mM	0.2276 mL	1.1379 mL	2.2757 mL
50 mM	0.0455 mL	0.2276 mL	0.4551 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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