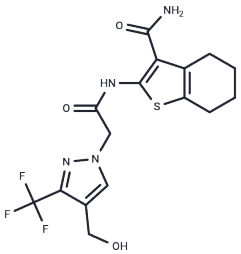
Data Sheet (Cat.No.T38392)

TargetMol

JAMI1001A

Chemical Properties



CAS No. : 1001019-46-0

Formula: C16H17F3N4O3S

Molecular Weight: 402.39

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	JAMI1001A is a positive allosteric modulator of the AMPA receptor, effectively modulating the deactivation and desensitization of both [flip] and [flop] receptor isoforms.
Targets(IC50)	Others,iGluR
In vitro	JAMI1001A attaches to the solvent-accessible allosteric pocket located at the interface between the dimers of the AMPA receptor ligand-binding core. It effectively inhibits channel desensitization and decelerates deactivation in both flip and flop isoforms of the AMPA receptor GluA2[1]. A kinetic model indicates that JAMI1001A independently regulates the protein rearrangements required for channel desensitization and recovery from this state, as well as those needed for channel deactivation (closed-cleft stability or channel gating)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4852 mL	12.4258 mL	24.8515 mL
5 mM	0.497 mL	2.4852 mL	4.9703 mL
10 mM	0.2485 mL	1.2426 mL	2.4852 mL
50 mM	0.0497 mL	0.2485 mL	0.497 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.

Reference

Harms JE, et al. Functional analysis of a novel positive allosteric modulator of AMPA receptors derived from a structure-based drug design strategy. Neuropharmacology. 2013;64(1):45-52.

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