

TDPAM01

Chemical Properties

CAS No. : 2231103-08-3
Formula: C18H22N4O4S2
Molecular Weight: 422.52
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	TDPAM01 acts as a positive allosteric modulator of the AMPA receptor GluA2. It specifically binds to the ligand-binding domain (LBD) of GluA2, with an IC50 value of 13.4 nM for the GluA2 flop subtype. TDPAM01 stabilizes the active conformation of the GluA2 receptor, delaying receptor inactivation or desensitization, thereby sustaining rapid excitatory synaptic transmission in the central nervous system.
Targets(IC50)	iGluR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3668 mL	11.8338 mL	23.6675 mL
5 mM	0.4734 mL	2.3668 mL	4.7335 mL
10 mM	0.2367 mL	1.1834 mL	2.3668 mL
50 mM	0.0473 mL	0.2367 mL	0.4734 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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