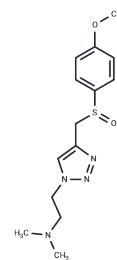


MP-010

Chemical Properties

CAS No. : 3024617-59-9
 Formula: C₁₄H₂₀N₄O₂S
 Molecular Weight: 308.399
 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	MP-010 is an FKBP12 ligand that regulates cytosolic calcium by stabilizing RyR channel activity. It facilitates functional improvement in SOD1G93A mice with amyotrophic lateral sclerosis (ALS), evidenced by enhanced motor coordination, increased integrity of neuromuscular junctions, and significantly higher spinal motor neuron survival rates. MP-010 is applicable for research in the field of neurological disorders.
Targets(IC50)	Calcium Channel,FKBP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2425 mL	16.2127 mL	32.4254 mL
5 mM	0.6485 mL	3.2425 mL	6.4851 mL
10 mM	0.3243 mL	1.6213 mL	3.2425 mL
50 mM	0.0649 mL	0.3243 mL	0.6485 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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