

FO-4-15

Chemical Properties

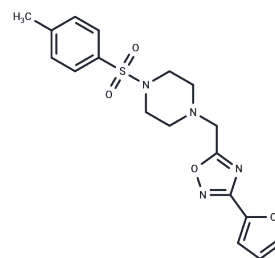
CAS No. : 1030759-58-0

Formula: C₁₈H₂₀N₄O₄S

Molecular Weight: 388.44

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	FO-4-15 is an activator of mGluR1/CaMKII α . It exhibits protective effects against H ₂ O ₂ in human neuroblastoma (SH-SY5Y) cells. In mice with Alzheimer's disease, FO-4-15 enhances cognitive function by activating the mGluR1/CaMKII α pathway, reducing A β accumulation, Tau hyperphosphorylation, and synaptic damage.
Targets(IC50)	CaMK, Microtubule Associated, GluR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5744 mL	12.872 mL	25.744 mL
5 mM	0.5149 mL	2.5744 mL	5.1488 mL
10 mM	0.2574 mL	1.2872 mL	2.5744 mL
50 mM	0.0515 mL	0.2574 mL	0.5149 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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