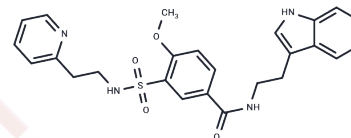


Z32439948

Chemical Properties

CAS No. : 920845-86-9
 Formula: C₂₅H₂₆N₄O₄S
 Molecular Weight: 478.56
 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	Z32439948, a butyrylcholinesterase (BChE) inhibitor (IC ₅₀ : 1.4 μM, hBChE) and a derivative of m-sulfamoylbenzamide, also exhibited neuroprotective effects against glutamate in SH-SY5Y cells [1].
Targets(IC ₅₀)	Cholinesterase (ChE)
In vitro	Z32439948 (1-5 μM; 48 h) demonstrates neuroprotective effects against glutamate (31 mM)-induced cell death in SH-SY5Y cells [1]. In the Cell Viability Assay [1], using SH-SY5Y and BV2 cell lines at concentrations of 1 μM, 2 μM, and 5 μM for an incubation period of 48 hours, it was observed that this compound provides protection to cells from damage induced by glutamate whether in the presence or absence of 31 mM glutamate.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0896 mL	10.448 mL	20.896 mL
5 mM	0.4179 mL	2.0896 mL	4.1792 mL
10 mM	0.209 mL	1.0448 mL	2.0896 mL
50 mM	0.0418 mL	0.209 mL	0.4179 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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