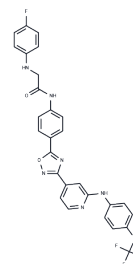


## BuChE-IN-2

## Chemical Properties

CAS No. :	2745118-93-6
Formula:	C <sub>28</sub> H <sub>20</sub> F <sub>4</sub> N <sub>6</sub> O <sub>3</sub>
Molecular Weight:	564.49
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	BuChE-IN-2 is an excellent inhibitor of butylcholinesterase (BuChE) with IC <sub>50</sub> values of 1.28 μM for BuChE and 0.67 μM for NO. It inhibits Aβ aggregation, ROS formation, and Cu <sup>2+</sup> chelation, shows proper blood-brain barrier (BBB) penetration, and is suitable for Alzheimer's disease research.
Targets(IC <sub>50</sub> )	Beta Amyloid,Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7715 mL	8.8576 mL	17.7151 mL
5 mM	0.3543 mL	1.7715 mL	3.543 mL
10 mM	0.1772 mL	0.8858 mL	1.7715 mL
50 mM	0.0354 mL	0.1772 mL	0.3543 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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