

BChE-IN-39

Chemical Properties

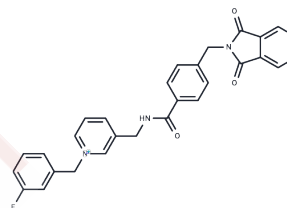
CAS No. :

Formula: C₂₉H₂₃ClFN₃O₃

Molecular Weight: 515.963

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	BChE-IN-39 (Compound 7c) selectively inhibits butyrylcholinesterase (BChE) with an IC ₅₀ of 0.08 μM, while showing an IC ₅₀ of 3.98 μM for acetylcholinesterase (AChE) inhibition. Additionally, BChE-IN-39 downregulates GSK-3β expression, thereby inhibiting the excessive phosphorylation of tau protein.
Targets(IC ₅₀)	Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9381 mL	9.6907 mL	19.3813 mL
5 mM	0.3876 mL	1.9381 mL	3.8763 mL
10 mM	0.1938 mL	0.9691 mL	1.9381 mL
50 mM	0.0388 mL	0.1938 mL	0.3876 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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481