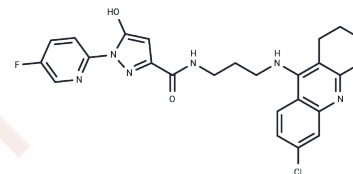


hAChE-IN-10

Chemical Properties

CAS No. :	3058182-98-9
Formula:	C ₂₅ H ₂₄ ClFN ₆ O ₂
Molecular Weight:	494.948
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	hAChE-IN-10 (Compound ET11) is an inhibitor of human acetylcholinesterase (AChE) with an IC ₅₀ of 6.34 nM. This compound is capable of scavenging free radicals and exhibits antioxidant activity. Additionally, hAChE-IN-10 demonstrates metal-chelating properties, inhibiting Cu ²⁺ -induced Aβ ₁₋₄₂ aggregation, reducing amyloid plaque formation, and offering neuroprotective effects. It also ameliorates cognitive impairment in mice induced by Scopolamine.
Targets(IC ₅₀)	Beta Amyloid,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0204 mL	10.102 mL	20.2041 mL
5 mM	0.4041 mL	2.0204 mL	4.0408 mL
10 mM	0.202 mL	1.0102 mL	2.0204 mL
50 mM	0.0404 mL	0.202 mL	0.4041 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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