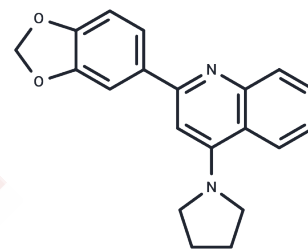


AChE/BuChE-IN-2

Chemical Properties

CAS No. :	1946008-31-6
Formula:	C ₂₀ H ₁₈ N ₂ O ₂
Molecular Weight:	318.37
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	AChE/BuChE-IN-2 (Compound 5f) is an orally active inhibitor of AChE and BuChE with IC ₅₀ values of 0.72 μM and 0.16 μM, respectively, and can cross the BBB. AChE/BuChE-IN-2 shows potent inhibition of self-induced β-amyloid (Aβ) aggregation with an IC ₅₀ of 62.52 μM and demonstrates non-competitive inhibition with AChE [1].
Targets(IC ₅₀)	Beta Amyloid,Others,Cholinesterase (ChE)
In vivo	Compound 5f (AChE/BuChE-IN-2) at a dose of 20 μmol/kg substantially enhances the cognitive abilities of scopolamine-treated ICR mice [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.141 mL	15.705 mL	31.410 mL
5 mM	0.6282 mL	3.141 mL	6.282 mL
10 mM	0.3141 mL	1.5705 mL	3.141 mL
50 mM	0.0628 mL	0.3141 mL	0.6282 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