

hAChE-IN-7

Chemical Properties

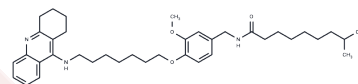
CAS No. : 2978613-03-3

Formula: C₃₈H₅₅N₃O₃

Molecular Weight: 601.86

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-7 (compound 5s) serves as a mixed inhibitor impacting both the catalytic active site (CAS) and peripheral anionic site (PAS) of hAChE. This compound demonstrates a balanced inhibitory effect with IC ₅₀ values of 69.8 nM for hAChE and 68.0 nM for hBuChE. Additionally, it exhibits an inhibitory activity against β -secretase-1 (BACE-1) with an IC ₅₀ of 3.6 μ M. hAChE-IN-7 holds potential for research in Alzheimer's disease (AD) [1].
Targets(IC ₅₀)	Beta-Secretase, Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6615 mL	8.3076 mL	16.6152 mL
5 mM	0.3323 mL	1.6615 mL	3.323 mL
10 mM	0.1662 mL	0.8308 mL	1.6615 mL
50 mM	0.0332 mL	0.1662 mL	0.3323 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