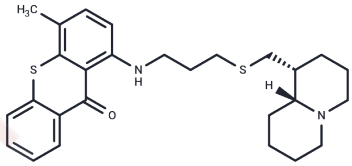
Data Sheet (Cat.No.T74812)

TargetMol

hBChE-IN-1

Chemical Properties



CAS No. :	1776948-12-9
Formula:	C27H34N2OS2
Molecular Weight:	466.70
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	hBChE-IN-1 (compound 4), a quinolizidinyl derivative, effectively inhibits human Butyrylcholinesterase (hBChE) with an IC50 value of 7 nM, demonstrating high selectivity against human Acetylcholinesterase (hAChE). It also inhibits tau and Aβ 40 protein aggregation, with IC50 values of 20 and 4.3 μM, respectively, making it valuable for Alzheimer's disease research [1].
Targets(IC50)	Beta Amyloid,Others,Microtubule Associated,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1427 mL	10.7135 mL	21.427 mL
5 mM	0.4285 mL	2.1427 mL	4.2854 mL
10 mM	0.2143 mL	1.0714 mL	2.1427 mL
50 mM	0.0429 mL	0.2143 mL	0.4285 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.

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