

hAChE-IN-5

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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-5 (compound 49) is a dual inhibitor of human acetylcholinesterase (hAChE) and human butyrylcholinesterase (hBuChE), showing IC50 values of 0.17 μ M for both enzymes. It also potently inhibits glycogen synthase kinase 3 beta (GSK3 β) with an IC50 of 0.21 μ M. Furthermore, it effectively inhibits tau protein and A β 1-42 peptide self-aggregation, and can bind the peripheral anionic site (PAS) to prevent amyloid-beta (A β)-induced neurotoxicity. hAChE-IN-5's ability to cross the blood-brain barrier (BBB) supports its potential in developing multitargeted anti-Alzheimer's agents [1].
Targets(IC50)	Beta Amyloid,Cholinesterase (ChE),GSK-3

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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