

BChE-IN-36

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	hBChE-IN-4 (compound 40) serves as an effective activator for hCA and an inhibitor for BChE. It demonstrates affinity for various hCA subtypes with affinity constants (KA) of 266 nM for hCA I, 76.9 nM for hCA II, 918 nM for hCA IV, 893 nM for hCA VB, and 98.0 nM for hCA VII. Inhibition concentrations (IC50) for eeAChE and eqBChE are recorded at 72.1 nM and 4.2 nM, respectively. hBChE-IN-4 is non-cytotoxic and has demonstrated potential cognitive enhancement effects. It holds potential for research in neurodegenerative and other neuropsychiatric disorders.
Targets(IC50)	Carbonic Anhydrase,Cholinesterase (ChE)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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