

Biotin-COG1410 TFA

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture
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	Biotin-COG1410 TFA is a biotinylated form of COG1410. COG1410 is a derivative peptide of apolipoprotein E and acts as an inhibitor of apoptosis. It exhibits neuroprotective and anti-inflammatory effects in a mouse traumatic brain injury (TBI) model. COG1410 is applicable for research in neurological disorders.
Targets(IC50)	Apoptosis
In vitro	Cog1410 (1-25 μ m; 48 h) reduces the production and release of NO and TNF α in BV2 microglial cells.
In vivo	COG1410, administered as a single intravenous injection at doses of 0.3-0.6 mg/kg, significantly enhances short-term vestibular motor function and long-term spatial learning and memory in mice. At a dose of 0.8 mg/kg, COG1410 improves vestibular motor function in rats, reduces post-stroke motor asymmetry, and decreases the infarct volume in the ipsilateral hemisphere.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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