

Pep63

Chemical Properties

CAS No. : 1781242-18-9

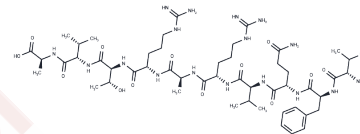
Formula: C51H87N17O13

Molecular Weight: 1146.34

Keep away from moisture

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	Pep63, a neuroprotective peptide (VFQVRARTVA), enhances synaptic plasticity and memory. It competitively binds with Aβ1-42 oligomers, thereby inhibiting the formation of Aβ fibrils. Pep63 is employed in research focused on Alzheimer's disease (AD).
Targets(IC50)	Beta Amyloid
In vivo	Pep63 can be directly targeted to the dorsal hippocampus to effectively inhibit the interaction between EphB2 and ADDLs (Aβ-derived diffusible ligands), reversing memory impairments in early-stage AD mouse models. Transferrin-liposomes serve as a delivery vehicle, utilizing transferrin receptor (TfR)-mediated endocytosis to transport Pep63 into the brain.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8723 mL	4.3617 mL	8.7234 mL
5 mM	0.1745 mL	0.8723 mL	1.7447 mL
10 mM	0.0872 mL	0.4362 mL	0.8723 mL
50 mM	0.0174 mL	0.0872 mL	0.1745 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

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