



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Pep63

## Chemical Properties

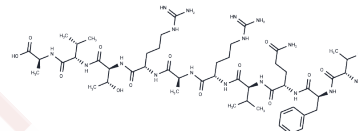
CAS No. : 1781242-18-9

Formula: C51H87N17O13

Molecular Weight: 1146.34

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|             |                                                                                                                                                                                                                                                                                                                                                                               |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Pep63, a neuroprotective peptide (VFQVRARTVA), enhances synaptic plasticity and memory. It competitively binds with A $\beta$ 1-42 oligomers, thereby inhibiting the formation of A $\beta$ fibrils. Pep63 is employed in research focused on Alzheimer's disease (AD).                                                                                                       |
| In vivo     | Pep63 can be directly targeted to the dorsal hippocampus to effectively inhibit the interaction between EphB2 and ADDLs (A $\beta$ -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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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