

For Research Use Only

β -Amyloid (25-35)



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Catalog Number: CM02694

产品信息

Catalog Number:
CM02694

CAS号:
131602-53-4

分子式:
 $C_{45}H_{81}N_{13}O_{14}S$

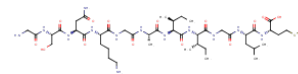
主要靶点:
Beta Amyloid

主要通路:
神经科学

分子量:
1060.27

溶解度:

H₂O:3.33 mg/mL (3.14 mM), Sonification is recommended., DMSO:97 mg/mL (91.49 mM), Sonification is recommended.



体外活性

The amino acid sequence of A β (25-35) peptide is NH₂-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-COOH, where the first Gly represents the amino acid 25 and the last Met represents the amino acid 35 and it is also investigated in gel state for the first time. Amyloid beta-peptide(25-35) induces apoptotic effects on isolated brain mitochondria and the redox state of methionine-35, plays a key role in the induction of programmed cellular death pathways and toxic events[2]. Comparative studies are also carried out using vibrational absorption and ECD. The conformational preference of A β (25-35) peptide film is also investigated using vibrational absorption and VCD spectroscopy[1].

体内活性描述

The Alzheimer's disease (AD) model group present with spatial learning and memory impairments. CDS and donepezil administration significantly ameliorate the A β 25-35 peptide-induced memory impairment in both Morris water maze (P? β -Amyloid (25-35) (A β 25-35) is the fragment A β (25-35) of the Alzheimer's amyloid β -peptide. Which has shown neurotoxic activities in cultured cells.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years

For technical support and original validation data for this product please contact

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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