Data Sheet (Cat.No.T37370)



Amyloid-β (25-35) Peptide (human) (trifluoroacetate salt)

Chemical Properties

CAS No.:

Formula:

Molecular Weight:

Appearance: no data available

Storage: keep away from moisture

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

Biological Description

| Description | Amyloid- β (25-35) (A β (25-35)) is an 11-residue fragment of the A β protein that retains the physical and biological characteristics of the full length peptide. It forms fibrils that react to thioflavin T and Congo red and are organized in a cross- β arrangement of β -strands similar to A β (1-40) and A β (1-42) fibrils. Aggregated A β (25-35) decreases the viability of rat adrenal PC12 cells. It also decreases the viability of primary rat cortical neurons at concentrations ranging from 1 nM to 30 μ M. |
|-------------|---|
| In vivo | In vivo, intracerebral injection of A β (25-35) (20 nmol) in rats induces lesions of neuronal and tissue loss. Aggregated A β (25-35) administered intracerebroventricularly to rats induces learning and memory impairments in the Y-maze, novel object recognition, and contextual fear conditioning tests. |

Solubility Information

| Solubility | H2O: 1 mg/mL |
|------------|---|
| | (< 1 mg/ml refers to the product slightly soluble or insoluble) |

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Page 1 of 1 www.targetmol.com