

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

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	Amyloid- β (25-35) ($A\beta$ (25-35)) is an 11-residue fragment of the $A\beta$ 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 $A\beta$ (1-40) and $A\beta$ (1-42) fibrils. Aggregated $A\beta$ (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 $A\beta$ (25-35) (20 nmol) in rats induces lesions of neuronal and tissue loss. Aggregated $A\beta$ (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, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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