

DATASHEET

Version: 2016-08-18

β-Amyloid (22-35)**Cat. No.:** RP20130-5**Size:** 5 mg**Alias:** Beta-Amyloid (22-35)**Description:**

Beta amyloid (22-35) is a synthetic truncated fragment of beta-amyloid peptide. It has been demonstrated that beta amyloid (22-35) possesses a cytotoxic effect on cultured rat hippocampus neurons in serum-free medium. Aggregates and typical amyloid fibrils resembling those of the beta amyloid protein (AP) are formed in neutral buffer solution from beta amyloid (22-35). These fibrils show characteristic staining with Congo red and thioflavin-S. The neurotoxicity of beta amyloid (22-35) can be suppressed by addition of calf serum, dibutyl cAMP, or insulin to the culture medium. However, the addition of NGF or substance P will not suppress the neurotoxicity. Beta amyloid (22-35) does not act on glial cells. These results suggest that AP can induce neurotoxicity in hippocampal cells in vitro and may result in a disorder involving intracellular signal transduction.

Cas No: 144189-71-9**Sequence (one-letter code):**

EDVGSNKGAIIGLM

Sequence (three-letter code):

{Glu}{Asp}{Val}{Gly}{Ser}{Asn}{Lys}{Gly}{Ala}{Ile}{Ile}{Gly}{Leu}{Met}

Solubility: Soluble in water.**Formula:** C₅₉H₁₀₂N₁₆O₂₁S**Molecular Weight:** 1,403.61**Purity:** > 95%**Storage:**

Store at -20°C. Keep tightly closed. Store in a cool dry place.

Note:

*For Non-Clinical Research Use Only *

