

DATASHEET

Version: 2016-08-18

β-Amyloid (25-35)**Cat. No.:** RP10008-5**Size:** 5 mg**Alias:** βAmyloid; b-Amyloid; bAmyloid; beta-Amyloid;
betaAmyloid**Description:**

Beta-amyloid protein (Aβ), a major component of senile plaques of Alzheimer's disease (AD) in the brain, causes elevation of the intracellular free Ca^{2+} level and the production of robust free radicals. Beta-amyloid 25-35 induced apoptosis, characterized by decreased cell viability, neuronal DNA condensation, and fragmentation, is associated with an increase in intracellular free Ca^{2+} level, the accumulation of reactive oxygen species (ROS), and the activation of caspase-3. All of these effects induced by beta-amyloid 25-35 are reversed by genistein.

Cas No: 131602-53-4**Sequence (one-letter code):**

GSNKGAIIGLM

Sequence (three-letter code):

{GLY}{SER}{ASN}{LYS}{GLY}{ALA}{ILE}{ILE}{GLY}{LEU}{MET}

Solubility: The peptide is soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weight out a smaller portion of the contents.

Formula: $\text{C}_{45}\text{H}_{81}\text{N}_{13}\text{O}_{14}\text{S}_1$ **Molecular Weight:** 1,060.27**Purity:** > 95%**Storage:**Store the peptide at -20°C **Note:**

*For Non-Clinical Research Use Only *

