

Rev02  
Update: Jun,09,2025

**DATASHEET**

# $\beta$ -Amyloid (25-35)

Cat. No.: RP10008

## Overview

|                            |   |
|----------------------------|---|
| <b>Synonyms</b>            | $\beta$ Amyloid; b-Amyloid; bAmyloid; beta-Amyloid; betaAmyloid   |
| <b>Description</b>         | Beta-amyloid protein (Abeta), 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. |
| <b>Cas No</b>              | 131602-53-4   |
| <b>Sequence</b>            | {GLY}{SER}{ASN}{LYS}{GLY}{ALA}{ILE}{ILE}{GLY}{LEU}{MET}   |
| <b>Sequence Shortening</b> | GSNKGAIIGLM   |
| <b>Molecular Formula</b>   | $C_{45}H_{81}N_{13}O_{14}S_1$   |
| <b>Molecular Weight</b>    | 1060.27   |

## Properties

|                   |  |
|-------------------|--|
| <b>Purity</b>     | > 95%  |
| <b>Solubility</b> | Soluble in dimethyl sulfoxide(Analytical grade) under 1mg/ml |
| <b>Form</b>       | Lyophilized  |
| <b>Storage</b>    | Store the peptide at -20°C                                   |

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