

Rev01  
Update: Dec,28,2022

**DATASHEET**

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

Cat. No.: RP10008CN

## Overview

<b>Synonyms</b>	$\beta$ Amyloid; b-Amyloid; bAmyloid; beta-Amyloid; betaAmyloid
<b>Description</b>	Beta-amyloid protein (A $\beta$ ), a major component of senile plaques of Alzheimer's disease (AD) in the brain, causes elevation of the intracellular free Ca <sup>2+</sup> 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 <sup>2+</sup> 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 <sub>45</sub> H <sub>81</sub> N <sub>13</sub> O <sub>14</sub> S <sub>1</sub>
<b>Molecular Weight</b>	1060.27

## Properties

<b>Purity</b>	> 95%
<b>Solubility</b>	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.
<b>Form</b>	Lyophilized
<b>Storage</b>	Store the peptide at -20°C