

$\beta$ -Amyloid (1-42), rat/mouse

## Chemical Properties

CAS No. : 166090-74-0

Formula: C199H307N53O59S

Molecular Weight: 4418.02

DAEFGHDSGFVVRHQKLVFFAEDVGSNGAIIGLMVGGVIA

Storage: Keep away from moisture

Powder: -20°C for 3 years

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	$\beta$ -Amyloid (1-42), rat/mouse is a peptide composed of 42 amino acids that exerts significant neurotoxic effects on hippocampal slices, causing neuronal damage and functional impairment. It is commonly used to establish both in vitro and in vivo Alzheimer's disease models.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2263 mL	1.1317 mL	2.2635 mL
5 mM	0.0453 mL	0.2263 mL	0.4527 mL
10 mM	0.0226 mL	0.1132 mL	0.2263 mL
50 mM	0.0045 mL	0.0226 mL	0.0453 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Mozes E, et al. A novel method for the rapid determination of beta-amyloid toxicity on acute hippocampal slices using MTT and LDH assays. Brain Res Bull. 2012 Apr 10;87(6):521-5.

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