

$\beta$ -Amyloid (1-42), rat TFA

## Chemical Properties

CAS No. :

Formula: C199H307N53O59S.C2HF3O2

Molecular Weight: 4532.04

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	$\beta$ -Amyloid (1-42), rat TFA is a 42-aa peptide, shows the effects of cytotoxicity on acute hippocampal slices, and has been used in studies of alzheimer's disease.
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## Solubility Information

Solubility	DMSO: 100 mg/mL (22.07 mM), Sonication is recommended. H2O: < 0.1 mg/mL (insoluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2207 mL	1.1033 mL	2.2065 mL
5 mM	0.0441 mL	0.2207 mL	0.4413 mL
10 mM	0.0221 mL	0.1103 mL	0.2207 mL
50 mM	0.0044 mL	0.0221 mL	0.0441 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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