

β -Amyloid (42-1), human

Chemical Properties

CAS No. :	317366-82-8
Formula:	C203H311N55O60S
Molecular Weight:	4514.04
Storage:	Keep away from moisture Powder: -20°C for 3 years Actual storage temperature shall be subject to the COA.

AIVVGGVMLGIAGKNSGVDEAFFVLKQHHVEYVYVSDHRFEAD

Biological Description

Description	β -Amyloid (42-1), human is the inactive form of amyloid β peptide (1-42), consisting of 42 amino acids. It plays a key role in the pathogenesis of Alzheimer's disease and is commonly used to induce Alzheimer's disease models.
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Solubility Information

Solubility	H2O: 0.5 mg/mL (0.11 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2215 mL	1.1077 mL	2.2153 mL
5 mM	0.0443 mL	0.2215 mL	0.4431 mL
10 mM	0.0222 mL	0.1108 mL	0.2215 mL
50 mM	0.0044 mL	0.0222 mL	0.0443 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

Schilling T, et al. Amyloid- β -induced reactive oxygen species production and priming are differentially regulated by ion channels in microglia. J Cell Physiol. 2011 Dec;226(12):3295-302.

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