

β -Amyloid (1-15)

Chemical Properties

CAS No. : 183745-81-5

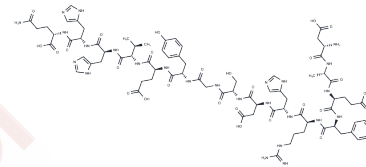
Formula: C78H107N25O27

Molecular Weight: 1826.84

Store at low temperature, Keep away from moisture

Storage: Powder: -20°C for 3 years

Actual storage temperature shall be subject to the COA.



Biological Description

Description	β -Amyloid (1-15) (Amyloid β -Protein (1-15)) is a fragment of β -amyloid protein used in the study of Alzheimer's disease.
Targets(IC50)	Beta Amyloid
In vitro	Produced by concerted β - and α -secretase cleavage of amyloid- β protein precursor (A β PP), β -Amyloid (1-15) appears to be a sensitive acute pharmacodynamic biomarker for γ -secretase inhibition. It may have several advantages compared to measuring longer cerebrospinal fluid (CSF) A β species[1].

Solubility Information

Solubility	H2O: 30 mg/mL (16.42 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	0.5474 mL	2.737 mL	5.4739 mL
5 mM	0.1095 mL	0.5474 mL	1.0948 mL
10 mM	0.0547 mL	0.2737 mL	0.5474 mL
50 mM	0.0109 mL	0.0547 mL	0.1095 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

Portelius E, et al. Amyloid- β (1-15/16) as a marker for γ -secretase inhibition in Alzheimer's disease. J Alzheimers Dis. 2012;31(2):335-41.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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