

Product Data Sheet

Product Name: Amyloid β -Protein (1-15)

Cat. No.: GP10097

Chemical Properties

Cas. No. 183745-81-5

SMILES CC(C)C(C(=O)NC(CC1=CNC=N1)C(=O)NC(CC2=CNC=N2)C(=O)NC(CCC(=O)N)C(=O)O)NC(=O)C(CCC(=O)O)NC(=O)C(CC3=CC=C(C=C3)O)NC(=O)CNC(=O)C(CO)NC(=O)C(CC(=O)O)NC(=O)C(CC4=CNC=N4)NC(=O)C(CCCNC(=N)N)NC(=O)C(CC5=CC=CC=C5)NC(=O)C(CCC(=O)O)NC(=O)C(C)NC(=O)C(CC(=O)O)N

Formula $C_{78}H_{107}N_{25}O_{27}$

M.Wt 1826.86

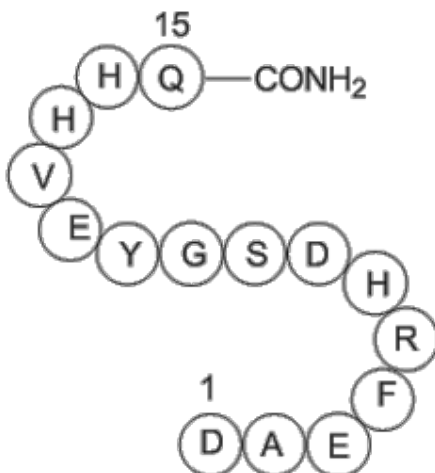
Solubility ≥ 182.6 mg/mL in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Beta-amyloid protein (A beta), a 39-43 amino acid peptide composed of a portion of the transmembrane domain and the extracellular domain of the amyloid precursor protein (APP), is also the principal component of amyloid. Research found that amyloid beta-protein circulates in human blood and in cerebrospinal fluid and is deposited into plaques found in the brains of patients with

Caution: Product has not been fully validated for medical applications. For research use only.

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Alzheimer's disease (AD). The aggregation of the beta-amyloid protein into dense plaques on the exterior of brain cells results in destroys of the synapses and conduction of nerve impulses.

References:

1. Sisodia SS, Price DL. Role of the beta-amyloid protein in Alzheimer's disease. FASEB J. 1995 Mar; 9(5): 366-70..

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