

Biotin- β -Amyloid (1-40)

Chemical Properties

CAS No. : 183906-14-1

Formula:

Molecular Weight:

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.

Biotin-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV

Biological Description

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| Description | Biotin- β -Amyloid (1-40) is an amyloid- β -(1-40) peptide with an N-terminal biotinylation. |
| In vitro | β -Amyloid (1-40) plays a crucial role in Alzheimer's disease as it constitutes the primary protein in brain plaques characteristic of the condition, serving as a major constituent of amyloid deposits in senile plaques. This physiological peptide is prevalent in the brain, cerebrospinal fluid (CSF), and plasma[1]. Additionally, biotin is extensively employed in the biotechnology sector to attach to proteins for biochemical analyses, facilitating qualitative and quantitative detection, labeling, or immobilization. |

Reference

Mikio Shoji, et al. Cerebrospinal fluid Abeta40 and Abeta42: natural course and clinical usefulness. Front Biosci. 2002 Apr 1;7:d997-1006.

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