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## A $\beta$ 1-42 Peptide

Catalog Number: A5300P

AA Seq: DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGWIA

Predicted MW: 4.514

Activity: Yes

Purity: >95% as determined by HPLC

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The cerebral and vascular plaques associated with Alzheimer's disease are mainly composed of Amyloid beta peptides. beta Amyloid is derived from cleavage of the Amyloid precursor protein and varies in length from 39 to 43 amino acids. beta Amyloid [1-40], beta Amyloid [1-42], and beta Amyloid [1-43] peptides result from cleavage of Amyloid precursor protein after residues 40, 42, and 43, respectively. The cleavage takes place by gamma-secretase during the last Amyloid precursor protein processing step. beta Amyloid [1-40], beta Amyloid [1-42], and beta Amyloid [1-43] peptides are major constituents of the plaques and tangles that occur in Alzheimer's disease. beta Amyloid antibodies and peptides have been developed as tools for elucidating the biology of Alzheimer's disease.

### PRODUCT SPECIFIC PUBLICATIONS

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**[IF=5.2]** Yecan Pan. et al. Screening of Active Substances Regulating Alzheimer' s Disease in Ginger and Visualization of the Effectiveness on 6-Gingerol Pathway Targets. FOODS. 2024 Jan;13(4):612 Other ; . 38397589