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Structure of amyloid-beta peptides in a complex with model membranes

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Abstract

Structures of amyloid-beta peptides A β 1-40, A β 10-35, A β 13-23 and A β 16-22 in a complex with model membranes in solution were obtained on the analysis of NMR experimental data. It has been established that the process of peptide-micelle complex formation occurs through the amino acid residues L17, F19, F20 and G29-M35.

Keywords

Alzheimer disease, Beta-amyloid, NMR, SDS micelle