

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

Usachev K., Filippov A., Klochkov V.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

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