

The Interactions of A β Protofibril with Cholesterol Enriched Membrane and Involvement of Neuroprotective Cabazolium Based Substances

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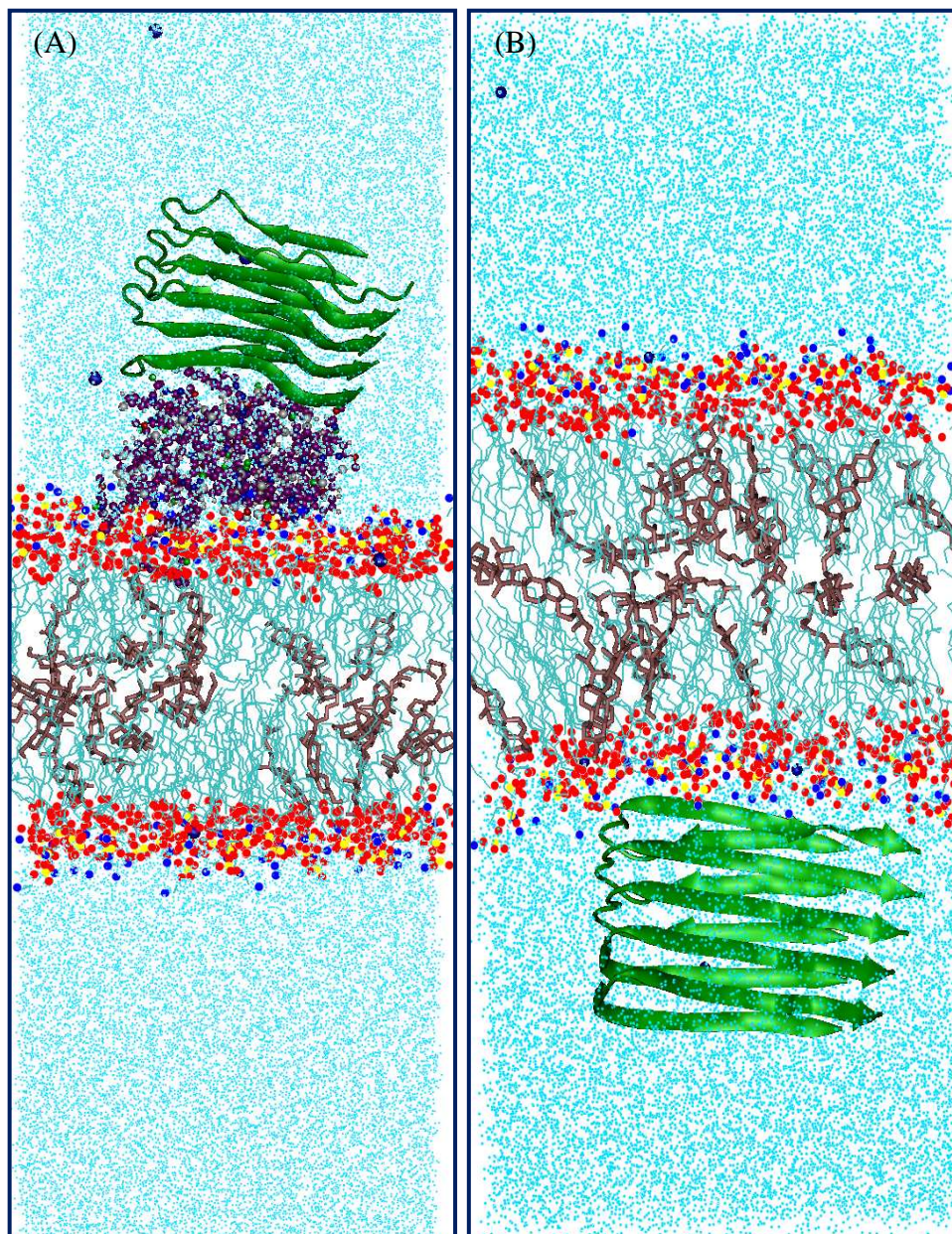


Fig. S1. The snapshot of two independent simulations A) A β peptide on lipid bilayer and B) A β peptide and P7C3-S243 on lipid bilayer.

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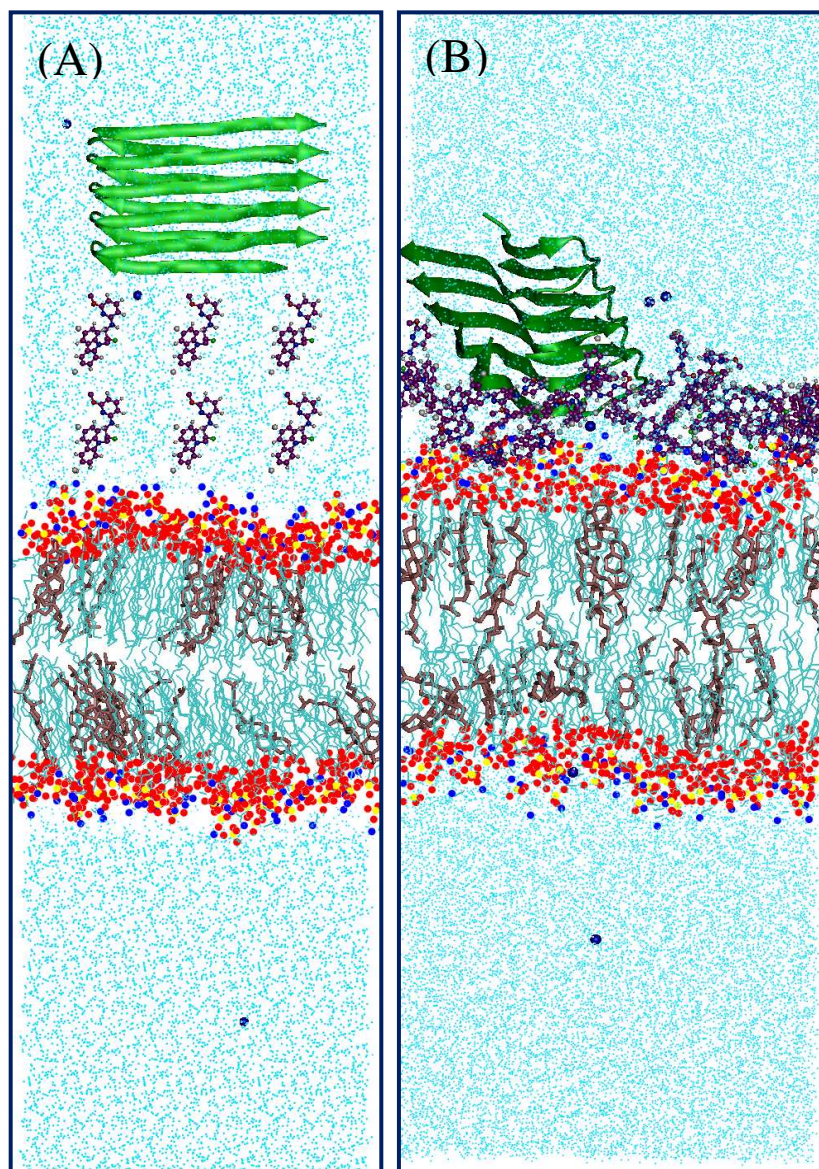


Fig. S2. Snapshot of a simulation with another orientation of the drug candidate. A) initial structure and B) equilibrated structure.

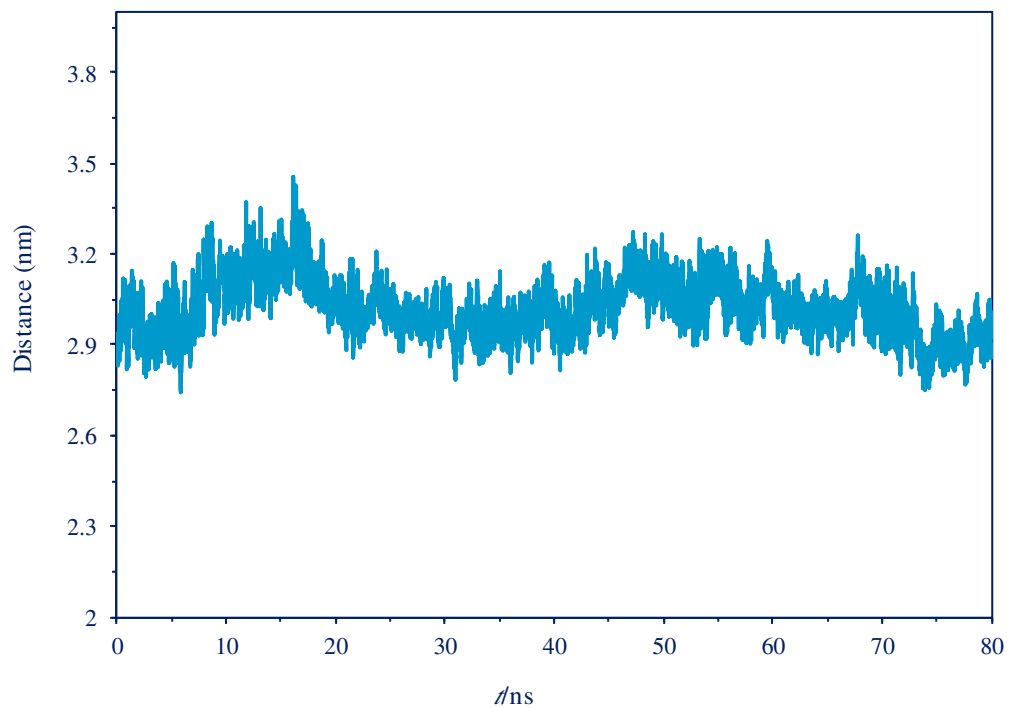


Fig. S3. The evolution of distance between the center of down leaflet of bilayer and A β amyloid (down zone) in the last of 80 ns of the simulation.

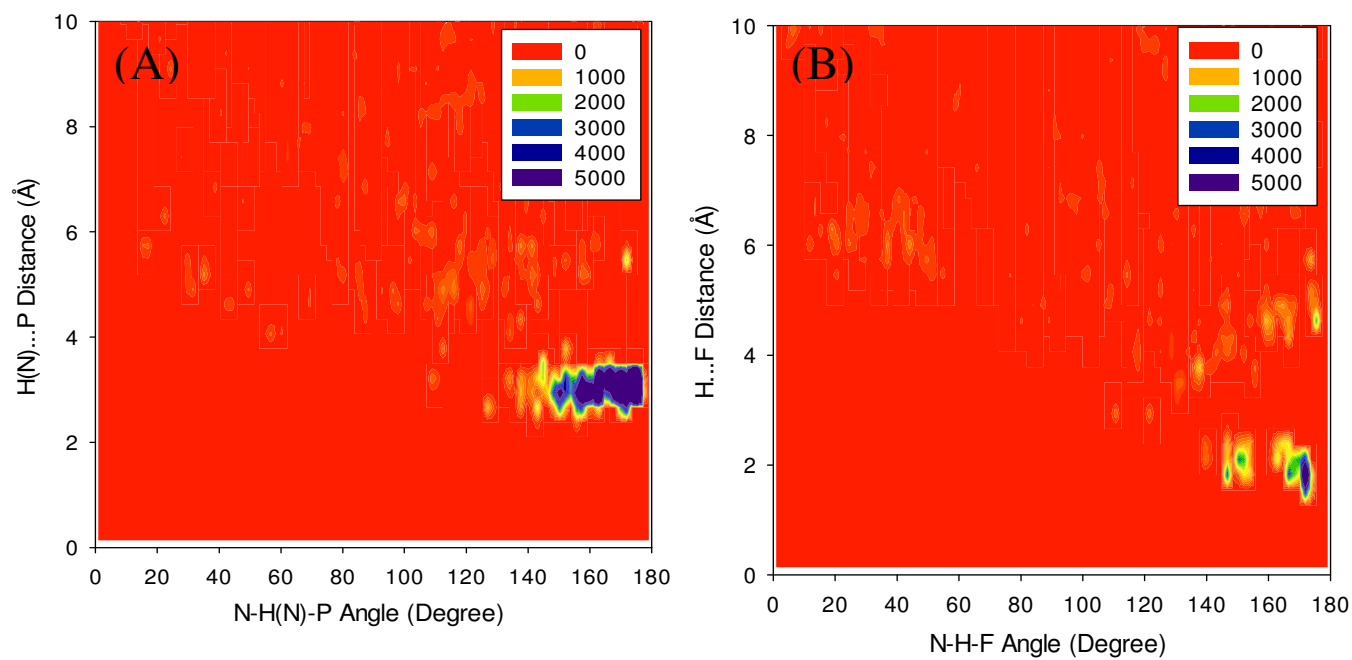


Fig. S4. The combined radial/angular distribution functions of the drug candidate with (A) POPC, and (B) oligomer.

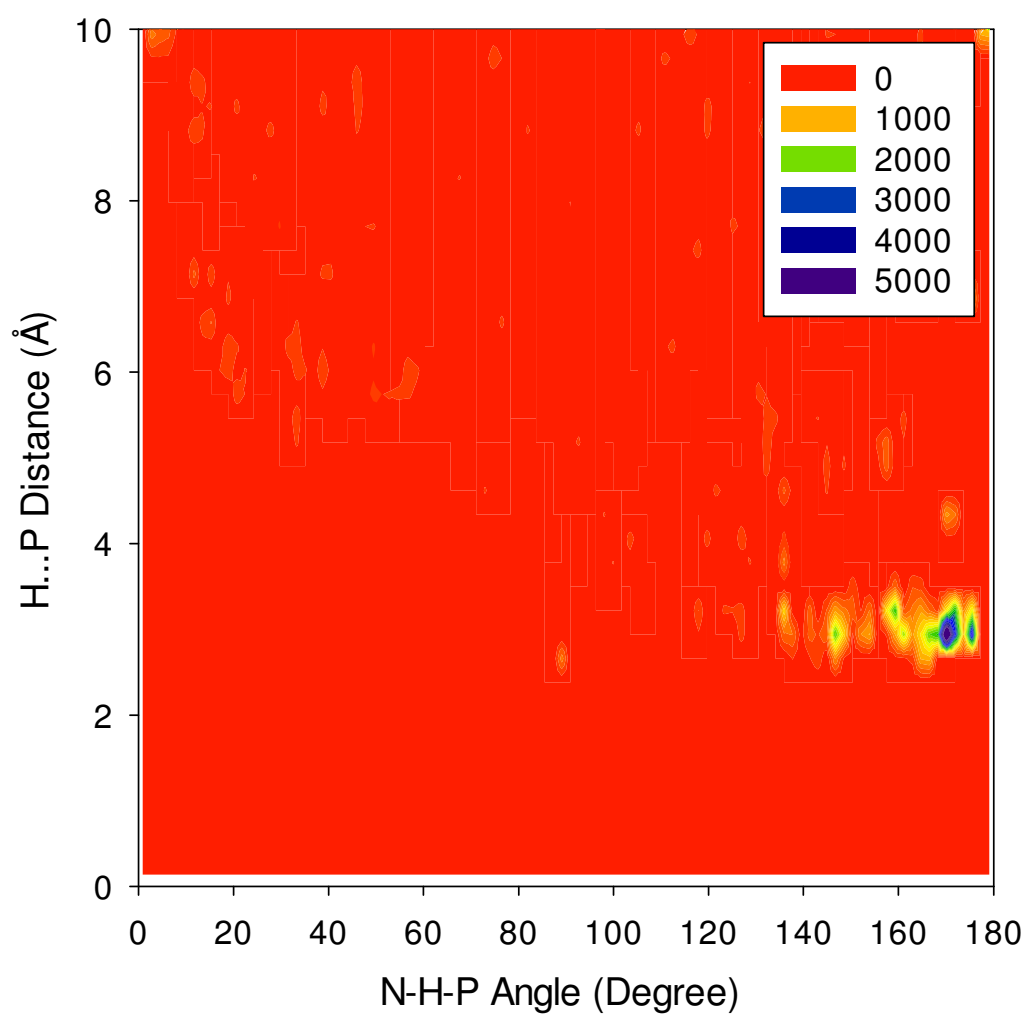


Fig. S5. Combined radial/angular distribution functions for investigation of interactions between A β amyloid oligomer and the lipid bilayer in the presence of drug candidate (upper leaflet).