

Supporting Information

Self-assembled nucleo-tripeptide hydrogels provide local and sustained doxorubicin release

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Supplementary Figures:

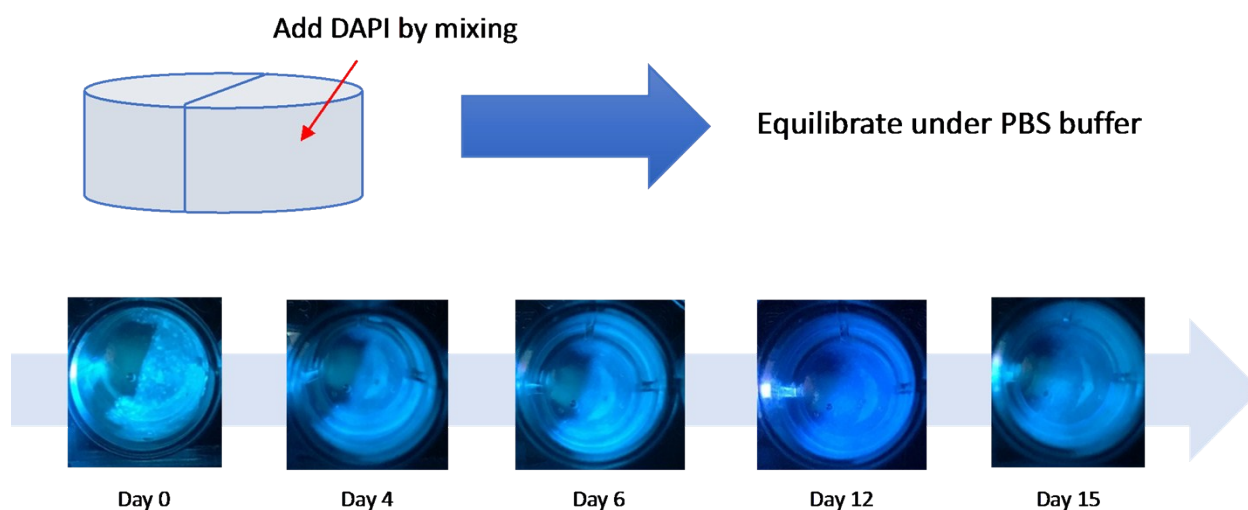


Figure S1. Ade-FFF hydrogel having DAPI on its right hemisphere regions showed slow diffusion of DAPI in the hydrogel.

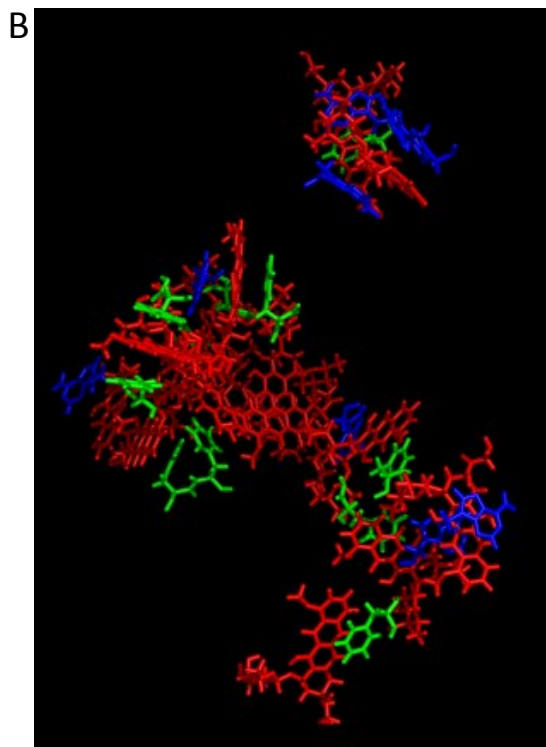
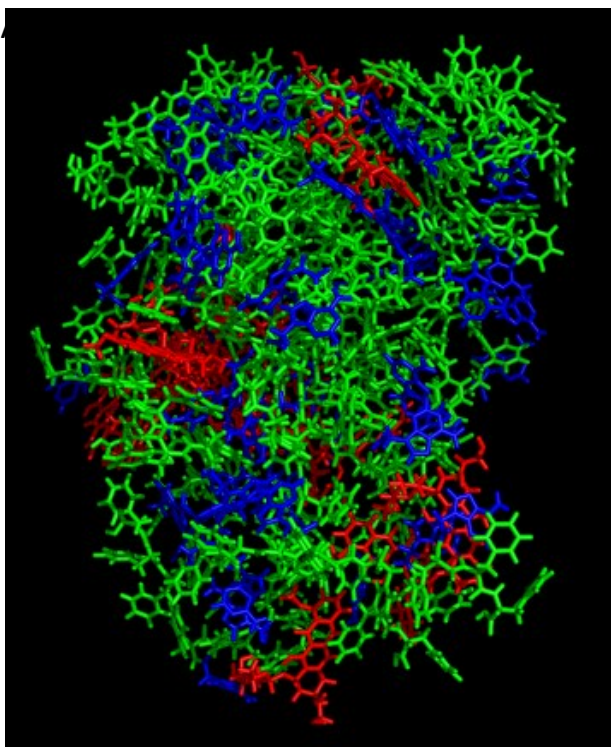


Figure S2. (A) Self-assembled Ade-FFF with doxorubicin after 55 ns of simulated annealing molecular dynamics simulation and 5 ns of equilibration. (B) Doxorubicin molecules and residues forming π - π interactions in assembled structure. (Red: DOX, blue: ADL, green: PHE)

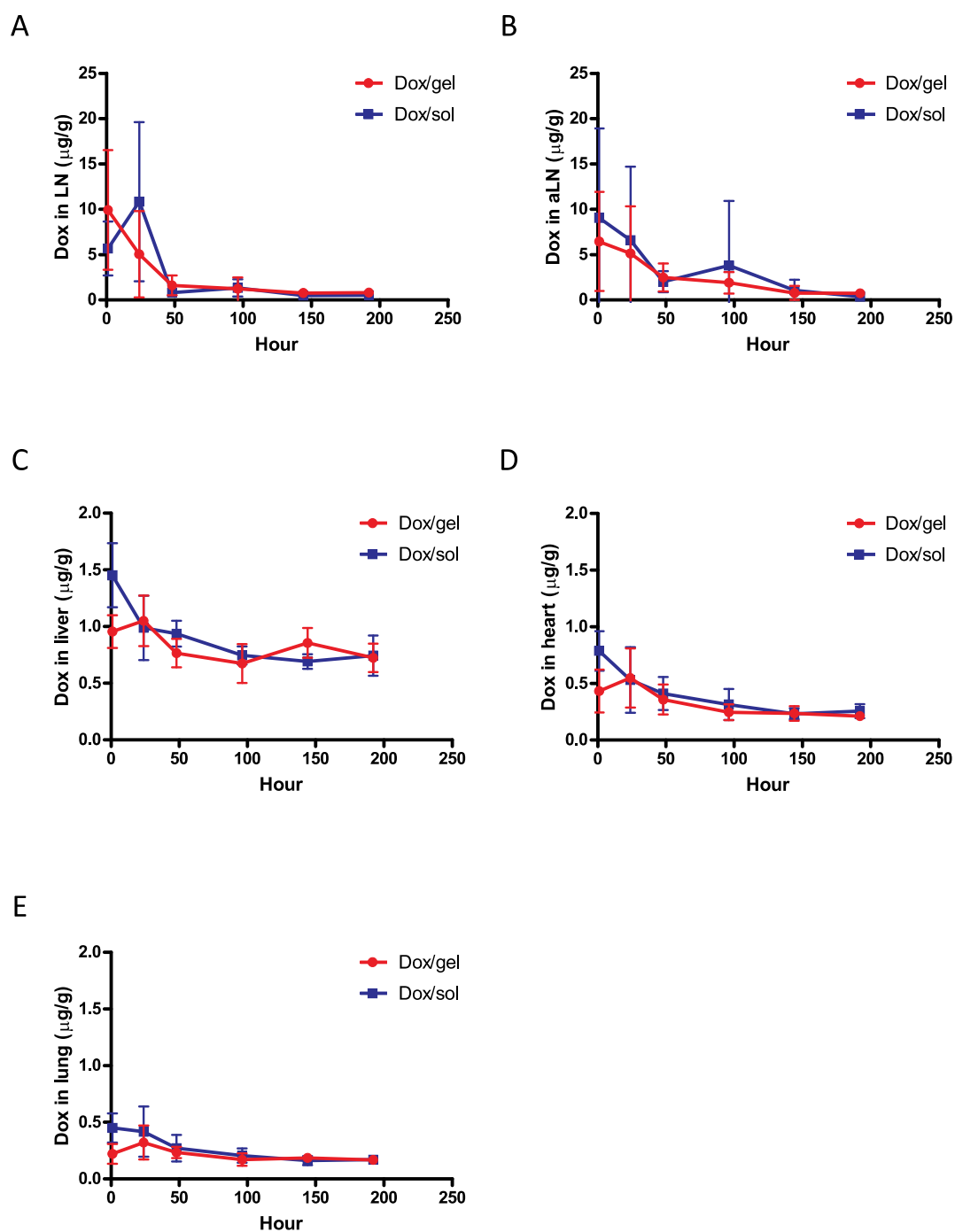
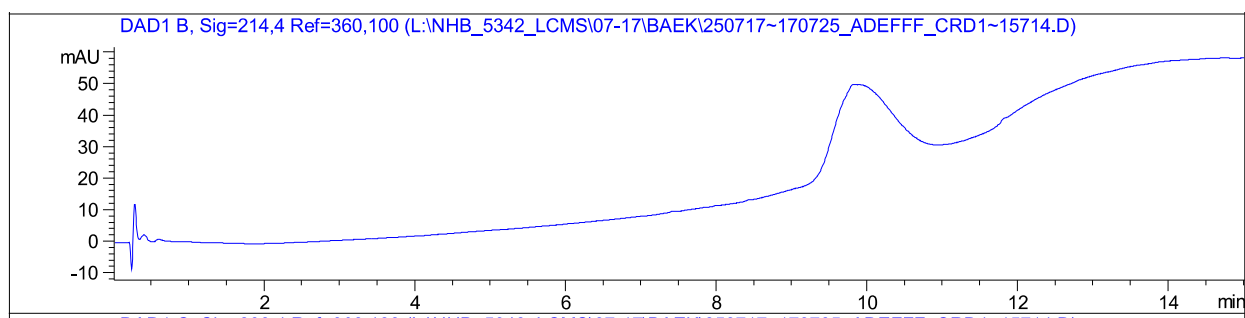


Figure S3. Biodistribution profile of doxorubicin in (A) lymph node (LN), (B) axillary LN, (C) liver, (D) heart, and (E) lung.

A



B

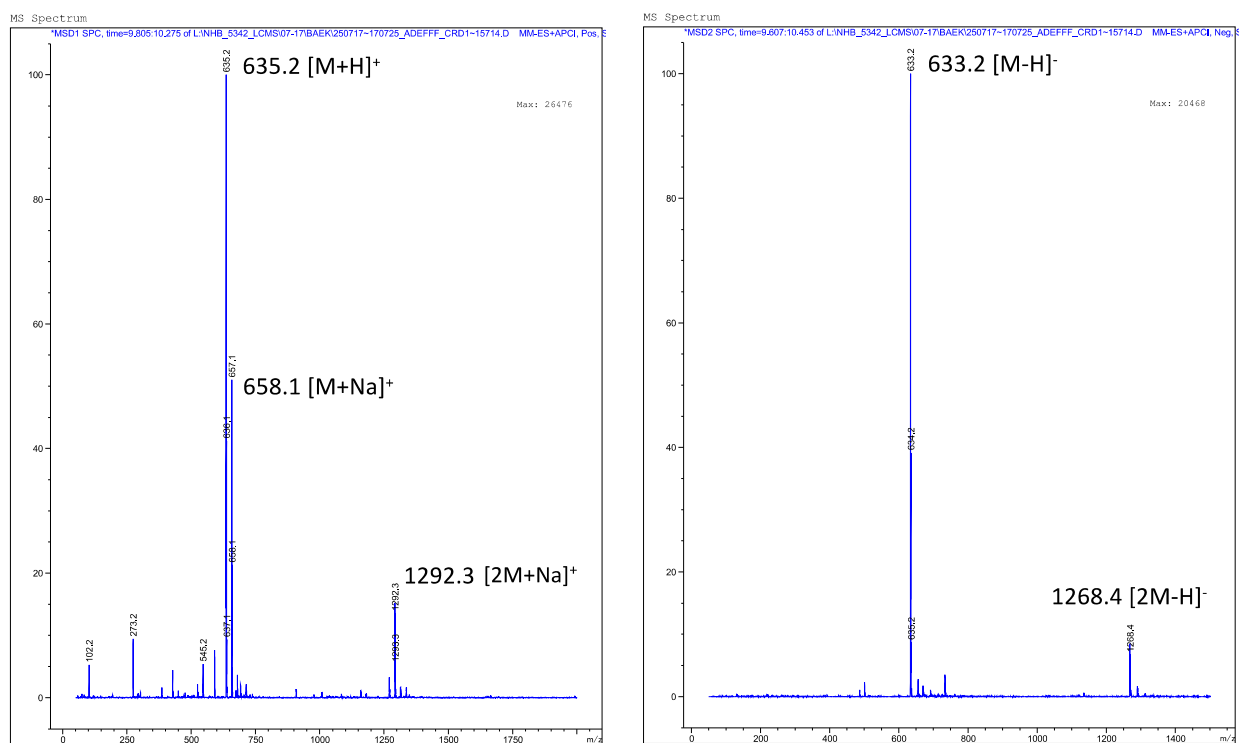


Figure S4. LC/MS analysis of Ade-FFF. (A) HPLC profile and (B) MS peak profiles of Ade-FFF peak (left for positive and right for negative mode).