

## Supporting Information

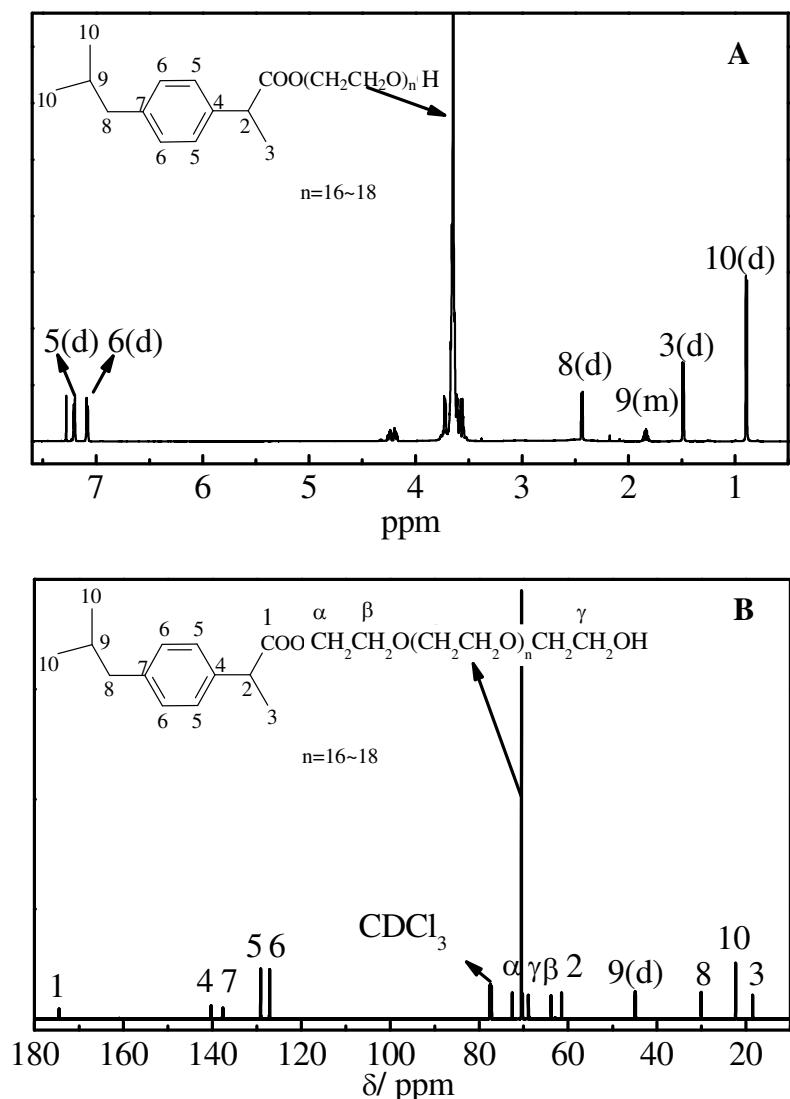


Fig S1. <sup>1</sup>H NMR (A) and <sup>13</sup>C NMR (B) spectrum of IP800 in CDCl<sub>3</sub>.

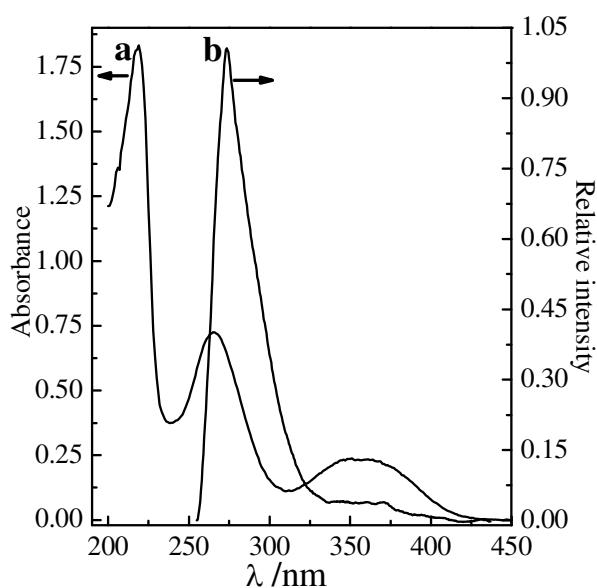


Fig S2. Absorption spectrum of ANS in IP800 solution (a) and emission spectrum of IP800 in aqueous solution (b).

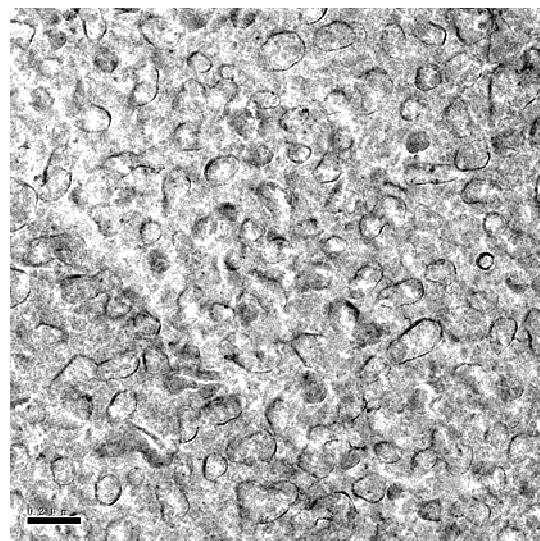


Fig S3. FF-TEM of the system of IP800/Water,  $C_{IP800}=0.5$  mM. Scale bars: 200 nm.

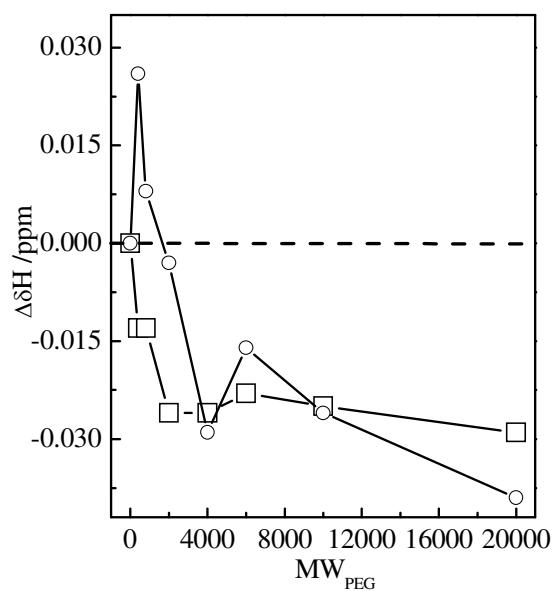


Fig S4 Chemical shift variations ( $\Delta\delta H$ ) (B) of proton H3 of IP800 as monomers (□) and micelles (○) in the system of IP800/ PEG/water with different molecular weights,  $w_{PEG}=5$  wt%,  $C_{IP800}=0.5$  mM.

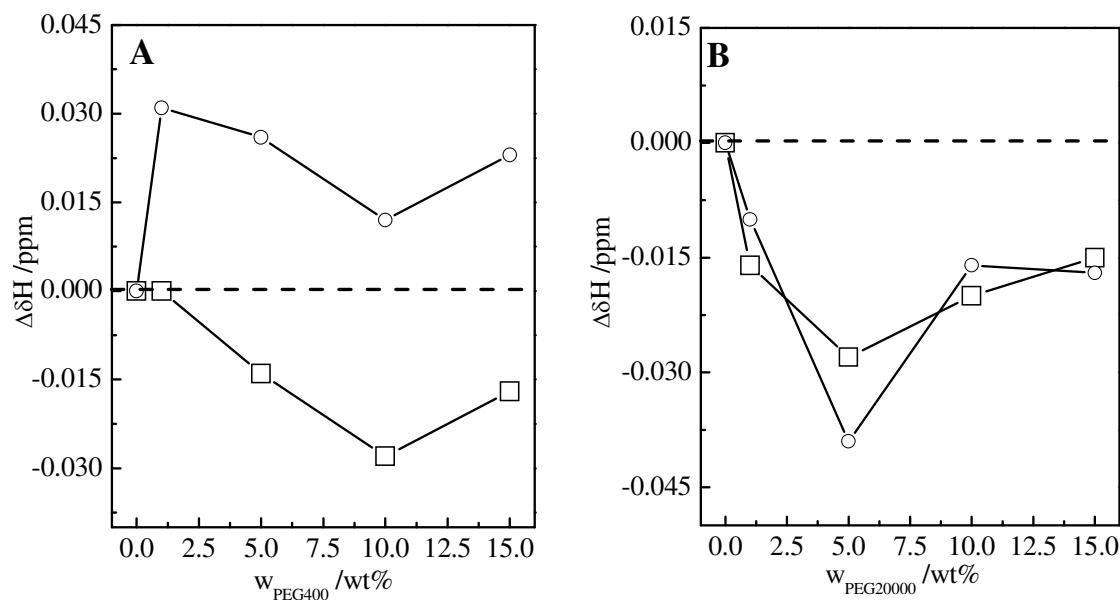


Fig S5 Chemical shift variations ( $\Delta\delta H$ ) of proton H3 of IP800 as monomers (□) and micelles (○) in the system of IP800/ PEG400/water (A) and IP800/ PEG20000/water (B) at different concentrations.  $C_{IP800}=0.5$  mM