Electronic Supplementary Information for Effects of 1-hexanol on $C_{12}E_{10}$ micelles: a molecular simulations and light scattering study

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Supplementary information consists of dynamic light scattering (DLS) data as a function of temperature and hexanol-to-surfactant ratio (Figure S1) and snaphosts of all of the self-assembly simulations (Figure S2).



Figure S1: Apparent hydrodynamic radius R_H of 12 wt % $C_{12}E_{10}$ solutions as a function of temperature and hexanol-to-surfactant ratio α (symbols) as measured by dynamic light scattering. Solid lines represent the curve at $\alpha = 0$, shifted by $T_{CP}(0) - T_{CP}(\alpha)$ to the left to demonstrate the similarity between the thermal response at varying α .



Figure S2: Final configurations of self-assembly simulations with varying hexanol-to-surfactant ratio α . Snapshots on the same column represent simulations with the same initial composition, but different starting configurations, performed to probe the sensitivity of the simulation to initial configuration. Surfactant tails are presented in green, head groups in yellow, and hexanol in gray. Solvent molecules have been omitted for visual clarity.