

Supporting information

A CO₂-Responsive Smart Fluid Based on Supramolecular Assembly Structures Varying Reversibly From Vesicles to Wormlike Micelles

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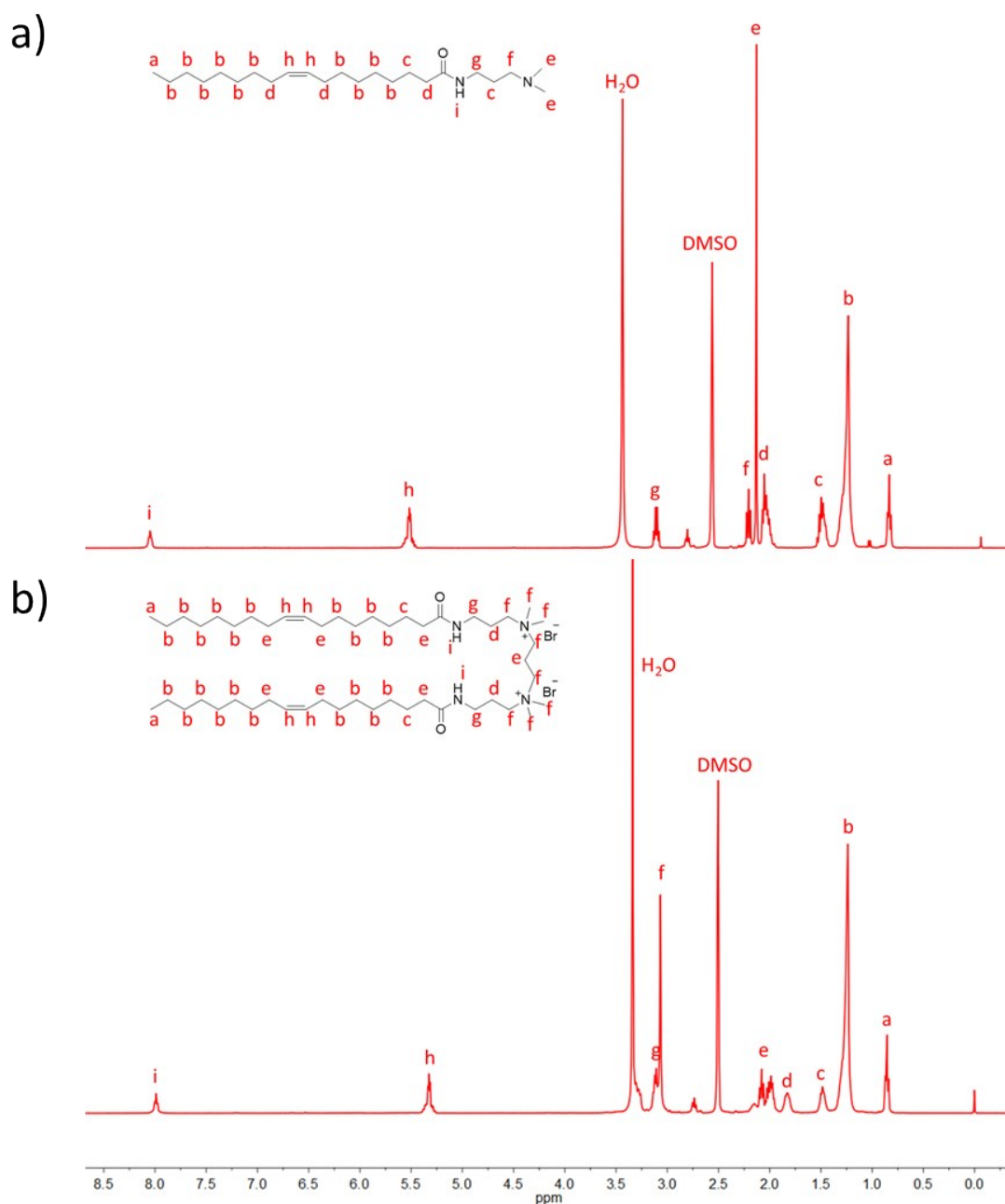


Figure S1. ¹H NMR spectra of (a) N-[3 (dimethylamino) propyl] oleamide (NDPO) and (b) gemini cationic surfactant -- trimethylene α, ω-bis (oleate amide propyl dimethyl ammonium bromide).

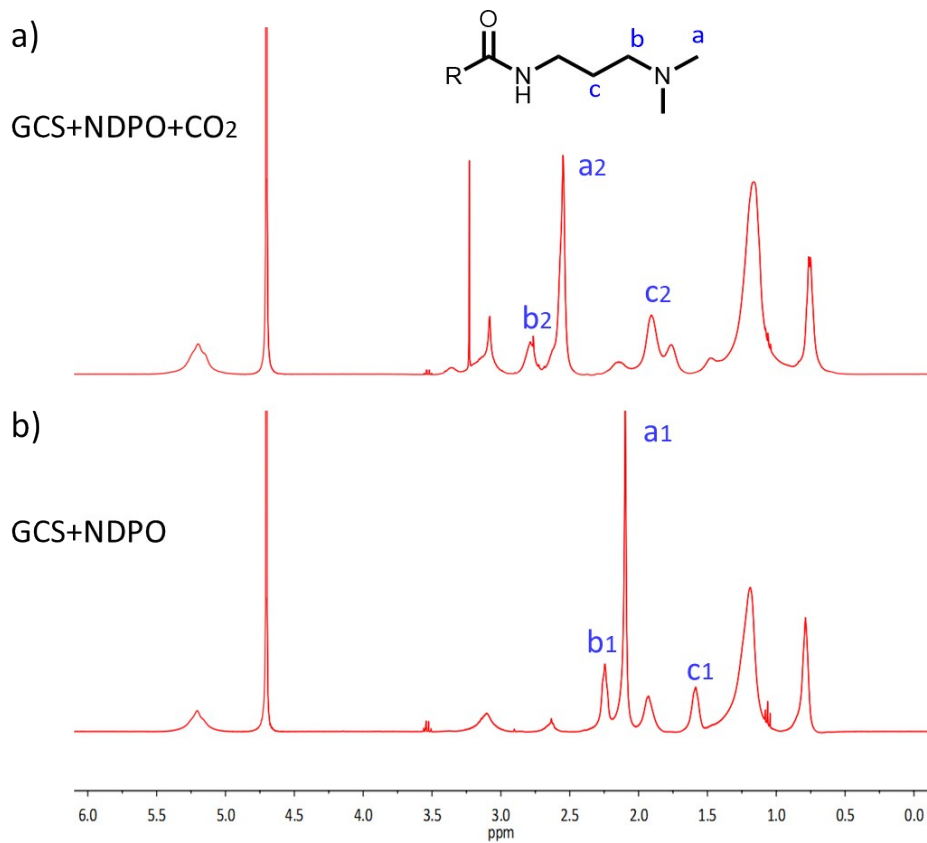


Figure S2. Comparison of the ¹H NMR spectra for G₇₀ sample in the presence and absence of CO₂. The solvent is D₂O.

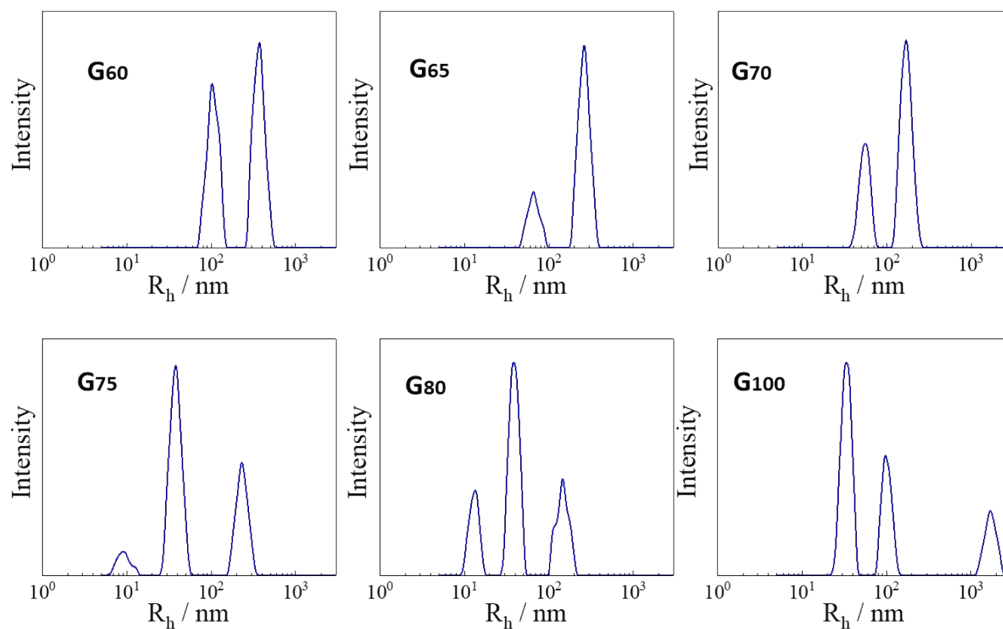


Figure S3. Intensity weighted distribution of apparent hydrodynamic diameter for 2wt% smart fluids with different proportions (G₆₀, G₆₅, G₇₀, G₇₅, G₈₀, and G₁₀₀).