

Construction of Highly Viscoelastic Anionic Wormlike Micellar Solutions by Carboxylate Gemini Surfactant with A *p*-Dibenzenediol Spacer

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S1 Intensity-fraction distributions of 12-azo-12

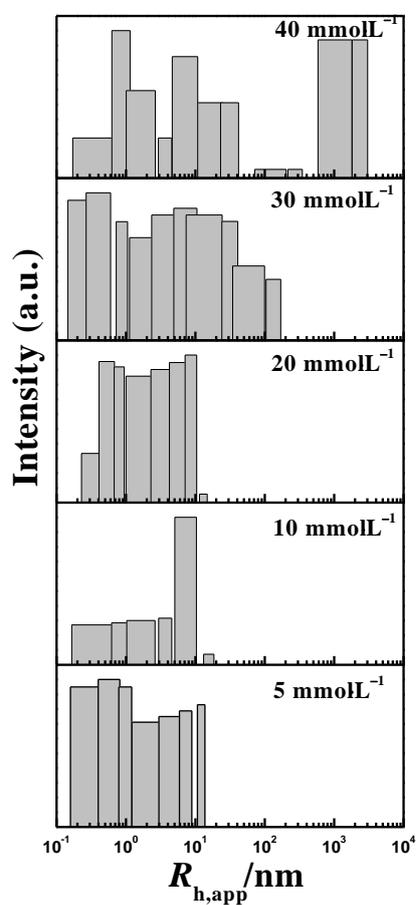


Figure S1 Intensity-fraction distributions measured at a detector angle $\theta = 90^\circ$ and analyzed by CONTIN model for 12-azo-12 at different concentrations

S2 The time correlation functions

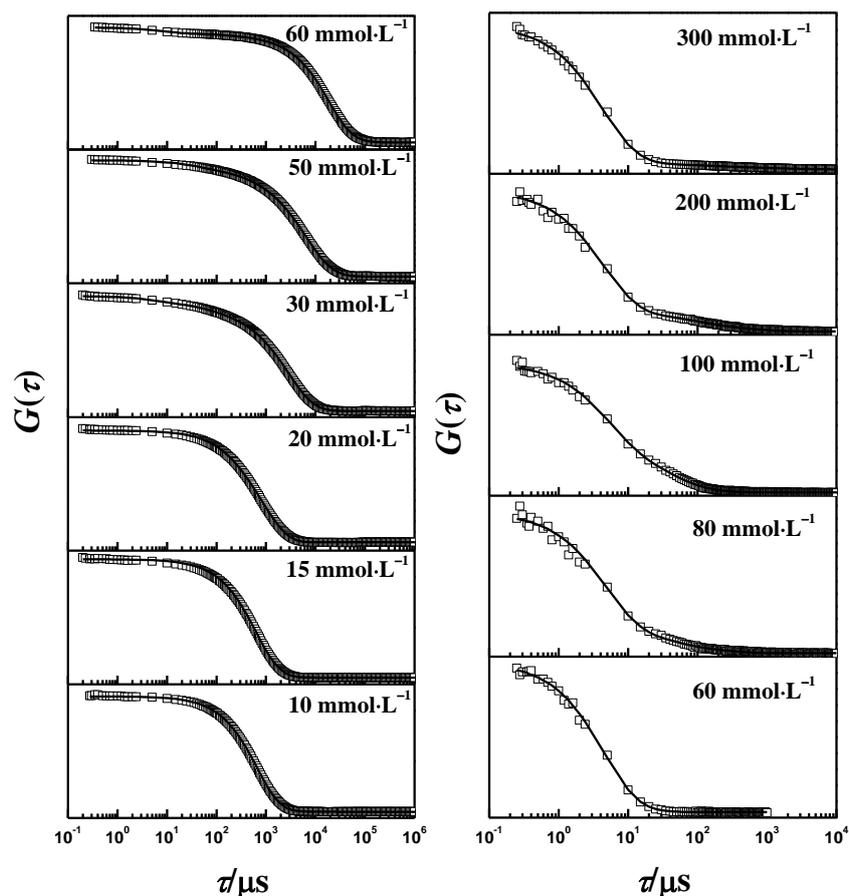


Figure S2 Time correlation functions of intensity for different concentrations of $\text{C}_{12}\phi_2\text{C}_{12}$ (left row) and $\text{C}_{12}\phi\text{C}_{12}$ (right row) in the aqueous solution at the detector angle $\theta = 90^\circ$, the solid lines express the fitting results according to CONTIN model

S3 Dynamic rheological spectra

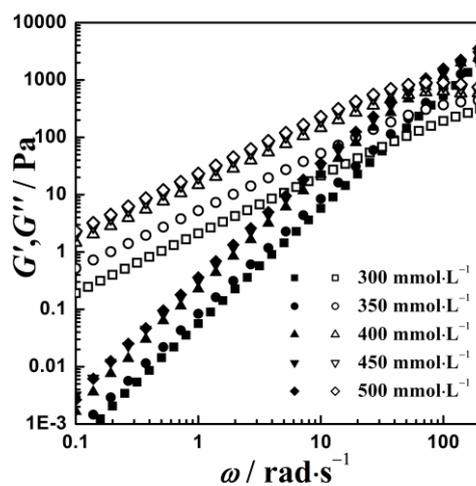


Figure S3 Variation of G' (filled symbols), G'' (open symbols) with sweep frequency ω for

$C_{12}\phi C_{12}$ aqueous solutions at different concentrations

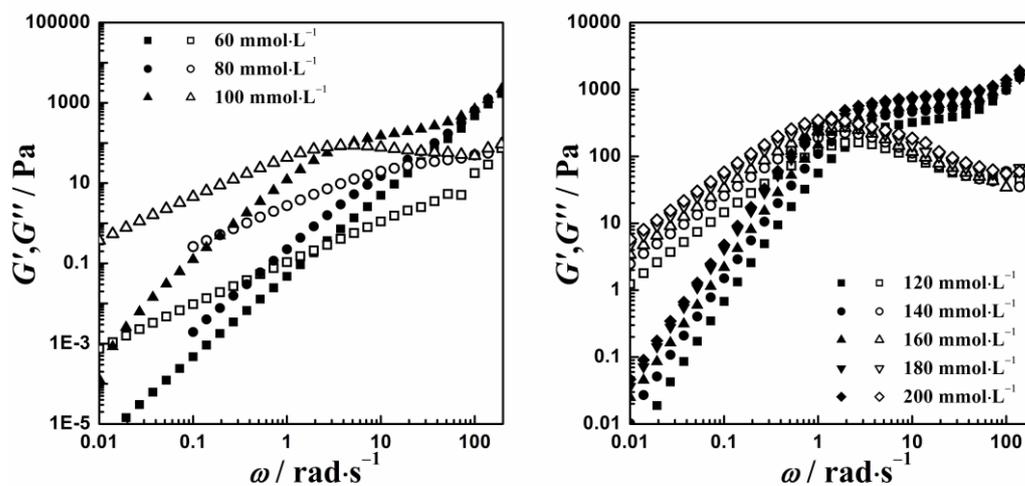


Figure S4 Variation of G' (filled symbols), G'' (open symbols) with sweep frequency ω for

$C_{12}\phi_2 C_{12}$ aqueous solutions at different concentrations

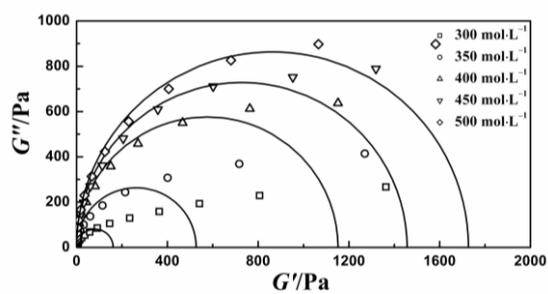


Figure S5 The Cole-Cole plots for $C_{12}\phi_2 C_{12}$ aqueous solutions at different concentrations

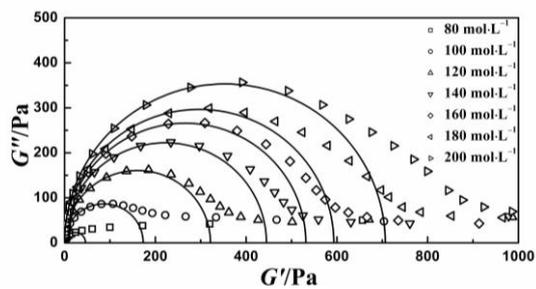


Figure S6 The Cole-Cole plots for $C_{12}\phi_2 C_{12}$ aqueous solutions at different concentrations