Solvophobically-Driven Oligo(Ethylene Glycol) Helical Foldamers. Synthesis, Characterization, and Complexation with Ethane-1,2-Diaminium

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Figure 1. The plot of the absorbance (323 nm, $[Np] = 5.0 \times 10^{-5}$ M) of oligomers **1a-1h** against Φ at 25 °C, highlighting the folding-induced hypochromic effect of the longer oligomers in chloroform and DMSO of high Φ (Φ : DMSO fraction in the binary solvent system).

Figure 2. Plot of the excimer intensity of **1b-1h** at 367 nm vs Φ in chloroform and DMSO at 25 °C. $\lambda_{ex} = 280$ nm, $[Np] = 2.7 \times 10^{-6}$ M (Φ : DMSO fraction in the binary solvent system).

Figure 3. ¹H NOESY NMR spectrum (400 MHz) of the mixture of **1f** (3.0 mM) + **19** (3.0 mM) in CD₃CN at 25 °C (mixing time = 1s).