Electronic Supplementary Material (ESI) for RSC Advances.

Photoinduced Viscosity Control of Lecithin-Based Reverse Wormlike Micellar Systems Using Azobenzene Derivatives

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Supplementary Information

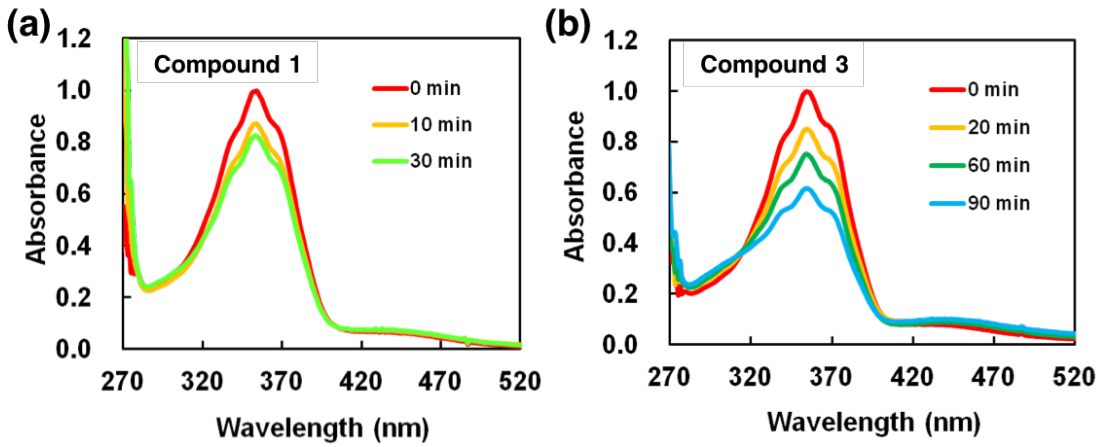

Figure S1. Variations in UV/vis absorption spectra of 105 mM SoyPC/55 mM D-ribose/decane solutions containing **1** (a) or **3** (b) after UV light irradiation.

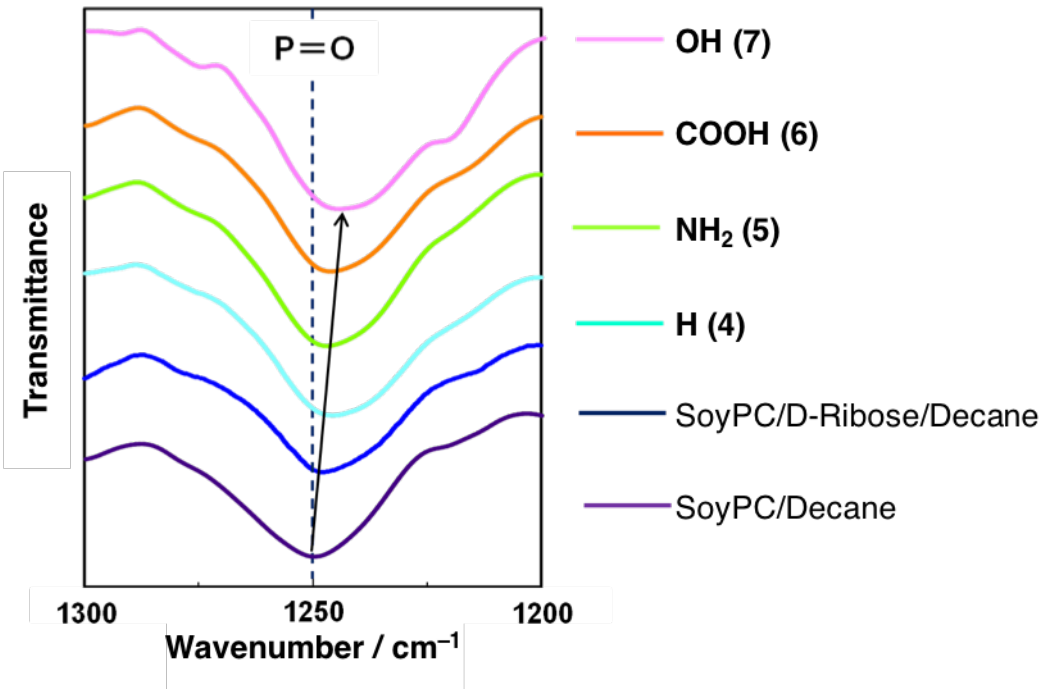

Figure S2. Infrared absorption spectra of SoyPC/decane solution with D-ribose, or azobenzene derivative **4**–**7**.

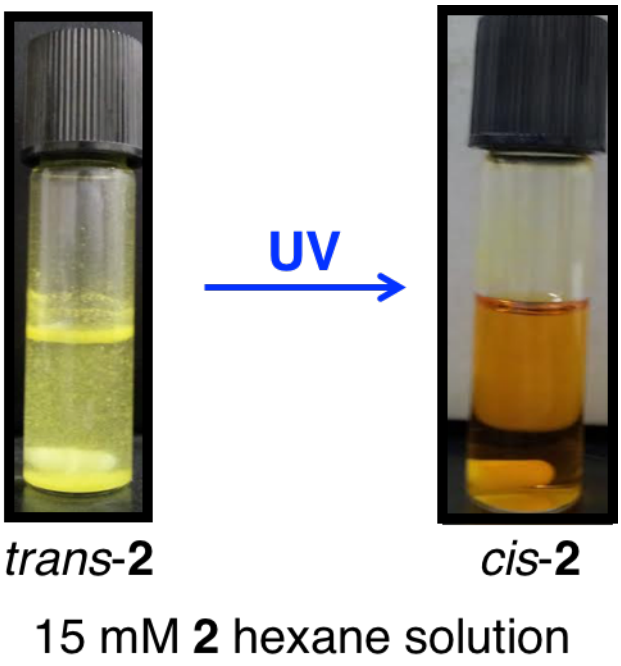

Figure S3. Photographs of the mixture of **2** (15 mM) and decane before and after UV light irradiation.

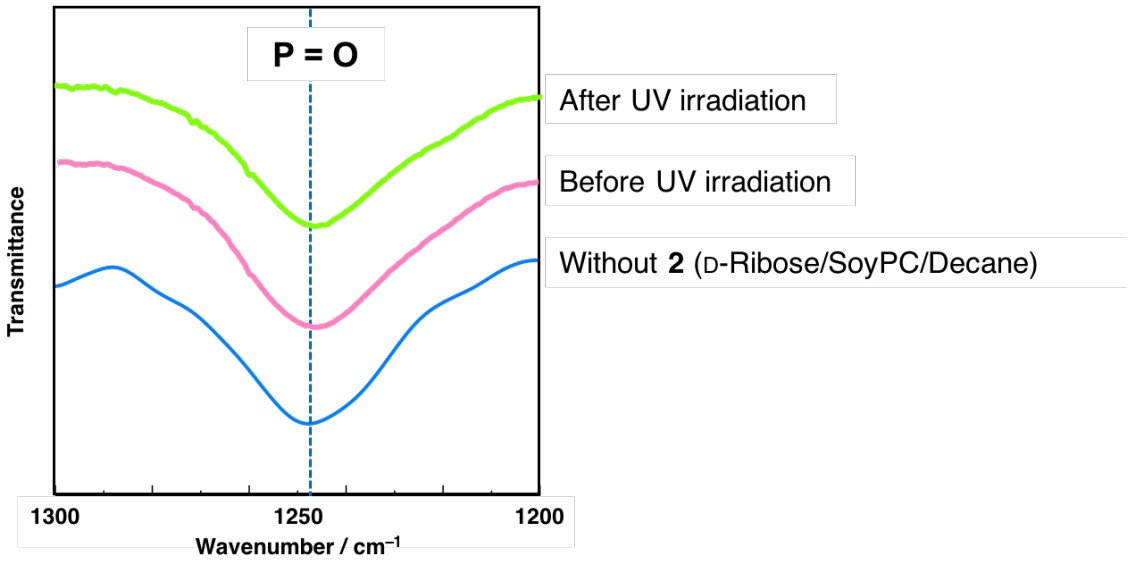

Figure S4. Infrared absorption spectra of **2**/D-ribose/SoyPC/decane mixture.

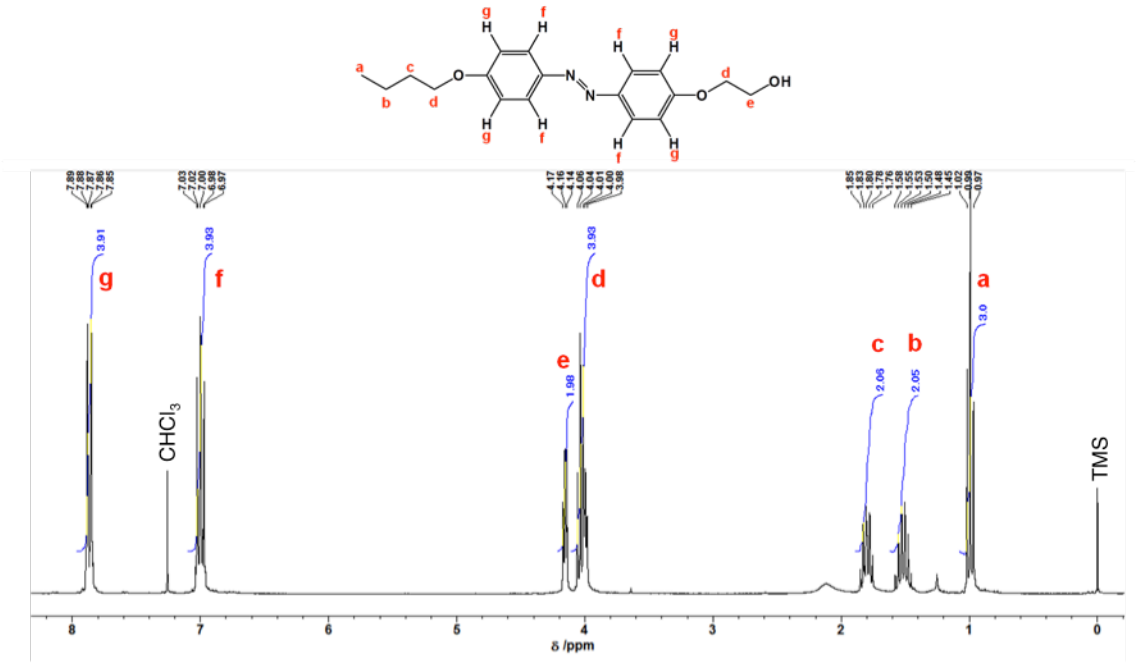

Figure S5. ^{1}H-NMR spectrum of **1** in $CDCl_3$.

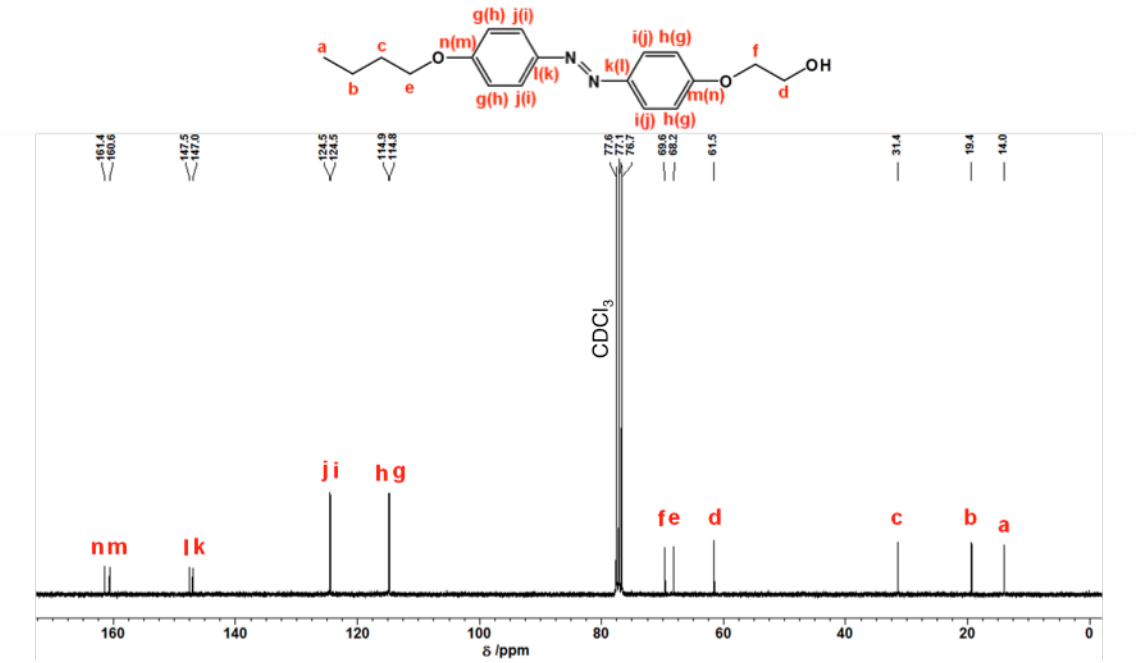

Figure S6. ^{13}C-NMR spectrum of **1** in $CDCl_3$.

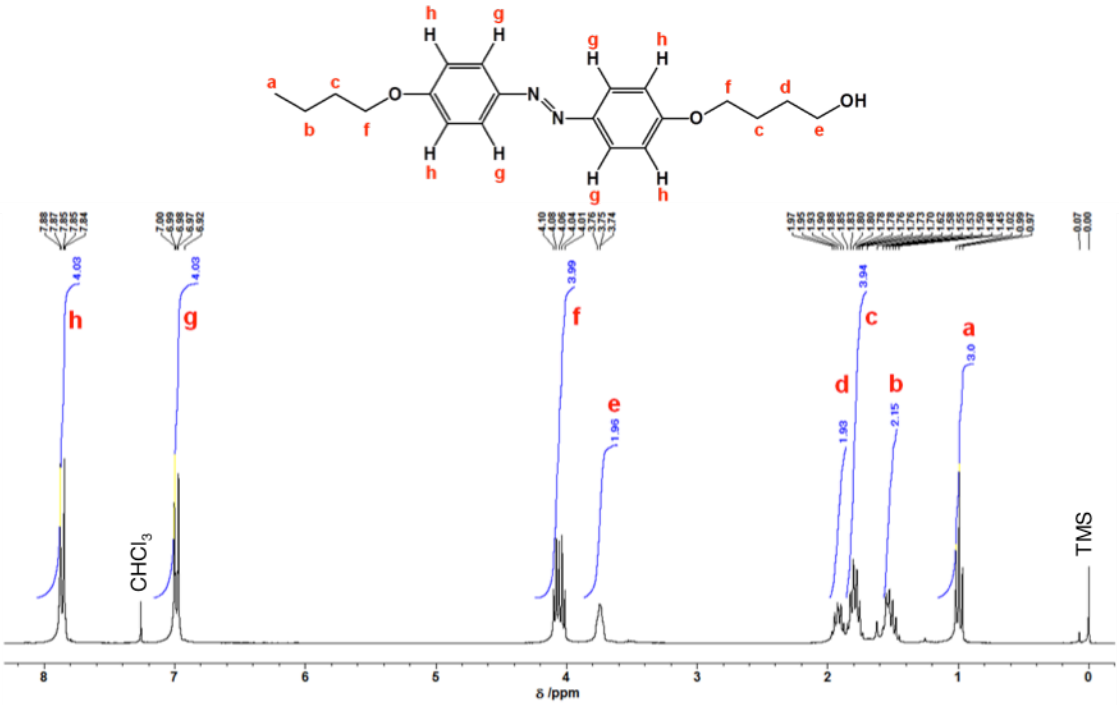

Figure S7. ^{1}H-NMR spectrum of **2** in $CDCl_3$.

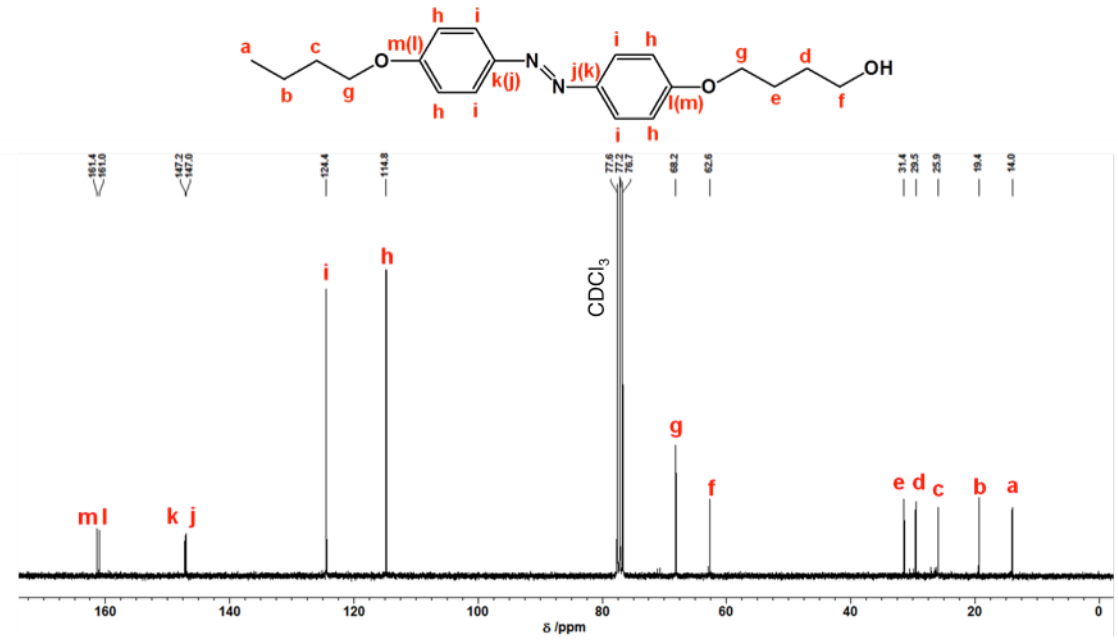

Figure S8. ^{13}C-NMR spectrum of **2** in $CDCl_3$.

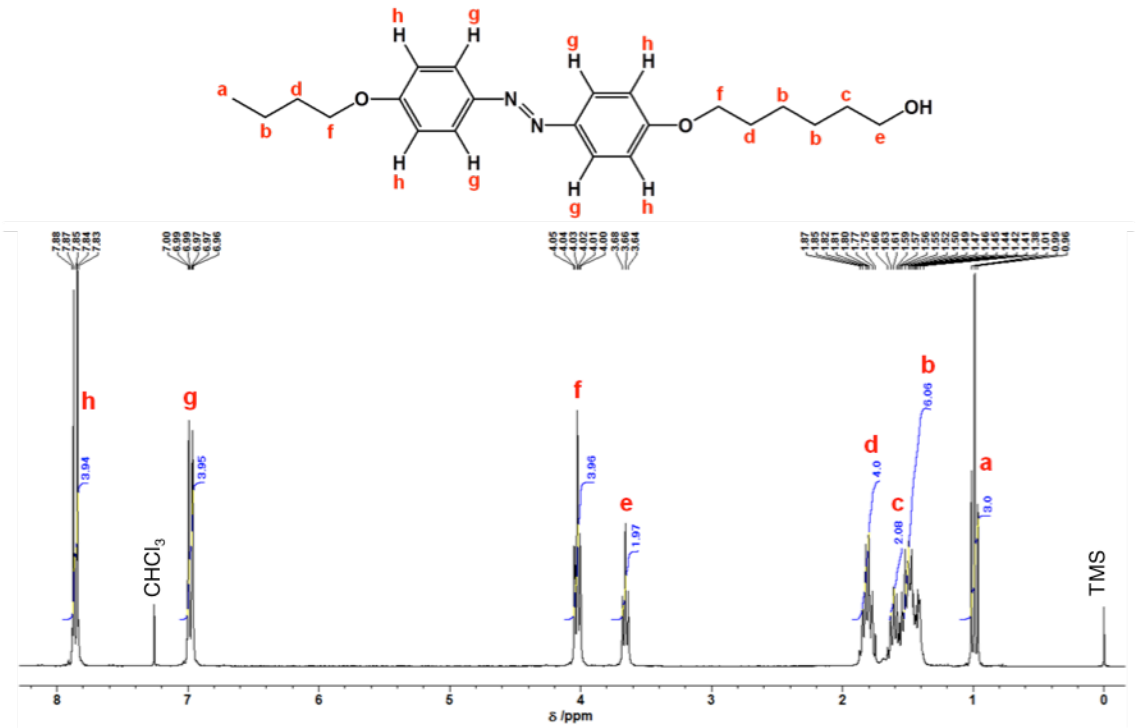

Figure S9. ^{1}H-NMR spectrum of **3** in $CDCl_3$.

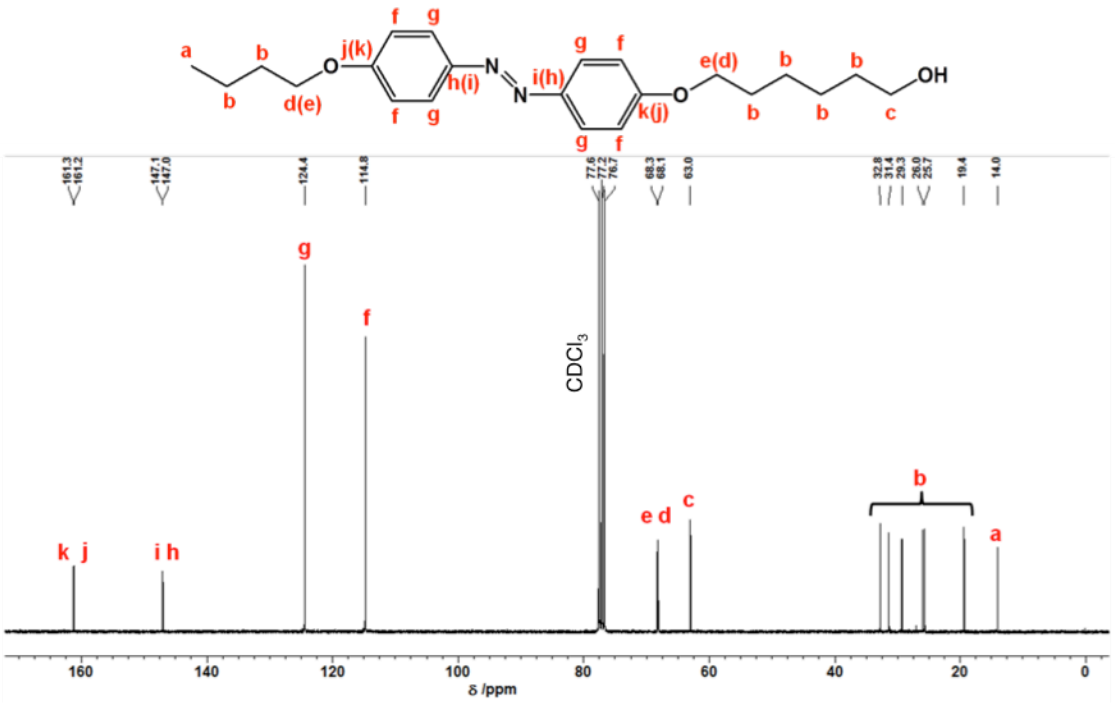

Figure S10. ^{13}C-NMR spectrum of **3** in $CDCl_3$.