

# Head Group Modulated pH-Responsive Hydrogel of Amino Acid-Based Amphiphiles: Entrapment and Release of Cytochrome c and Vitamin B<sub>12</sub>

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## Supporting information

### List of supporting information

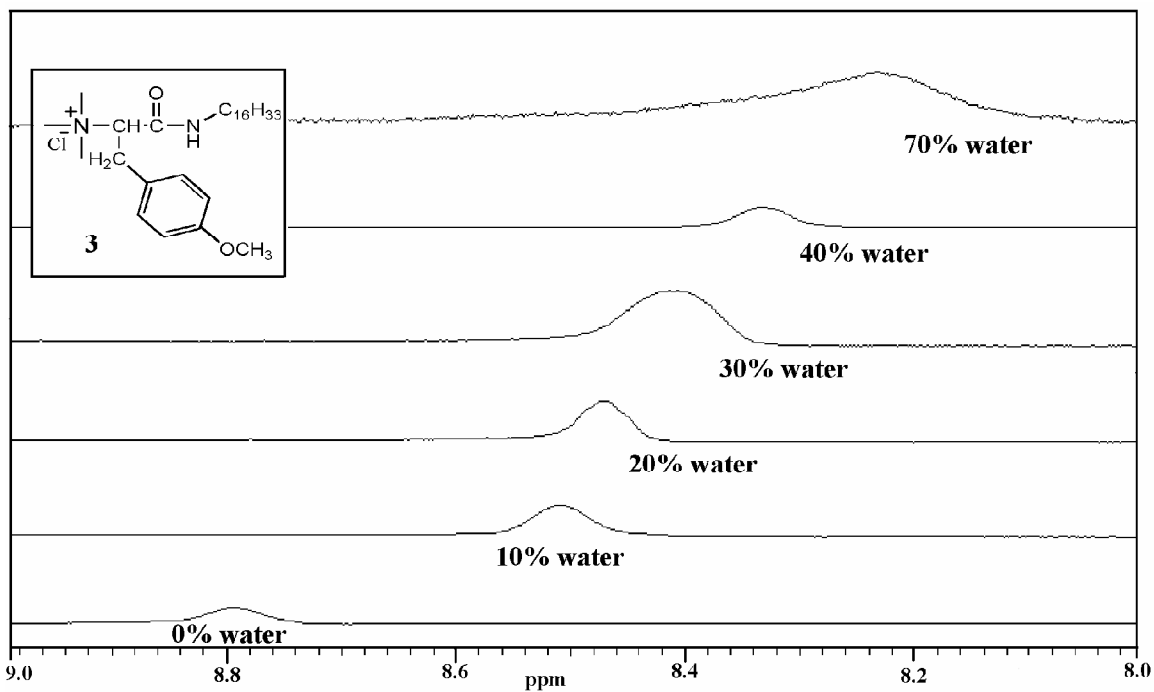
**Figure S1.** <sup>1</sup>H NMR spectra of amide proton of gelator **3** (4%, w/v) in [D<sub>6</sub>]DMSO with varying water content.

**Figure S2.** 2D-NOESY spectra of gelator **4** (4 %, w/v) in [D<sub>6</sub>]DMSO with 70% water.

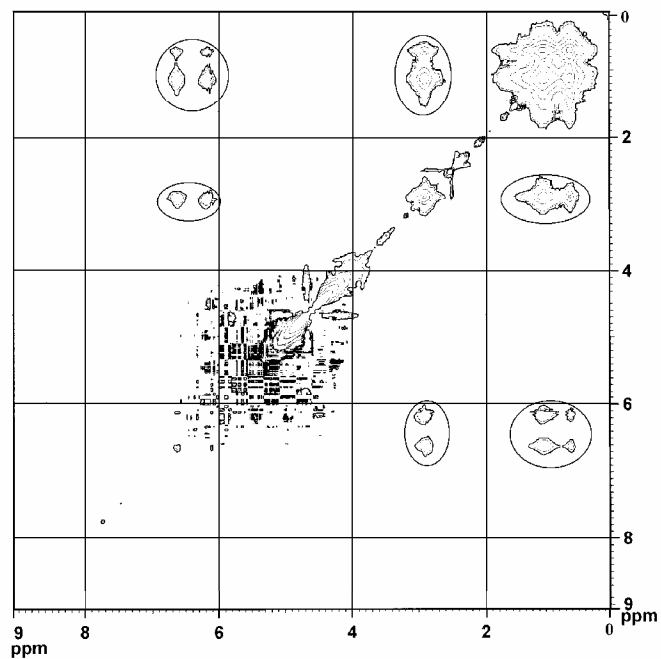
**Figure S3.** Temperature dependent CD spectra of gelator **2** (0.025%, w/v).

**Figure S4.** Temperature dependent CD spectra of Gelator **3** (0.025%, w/v).

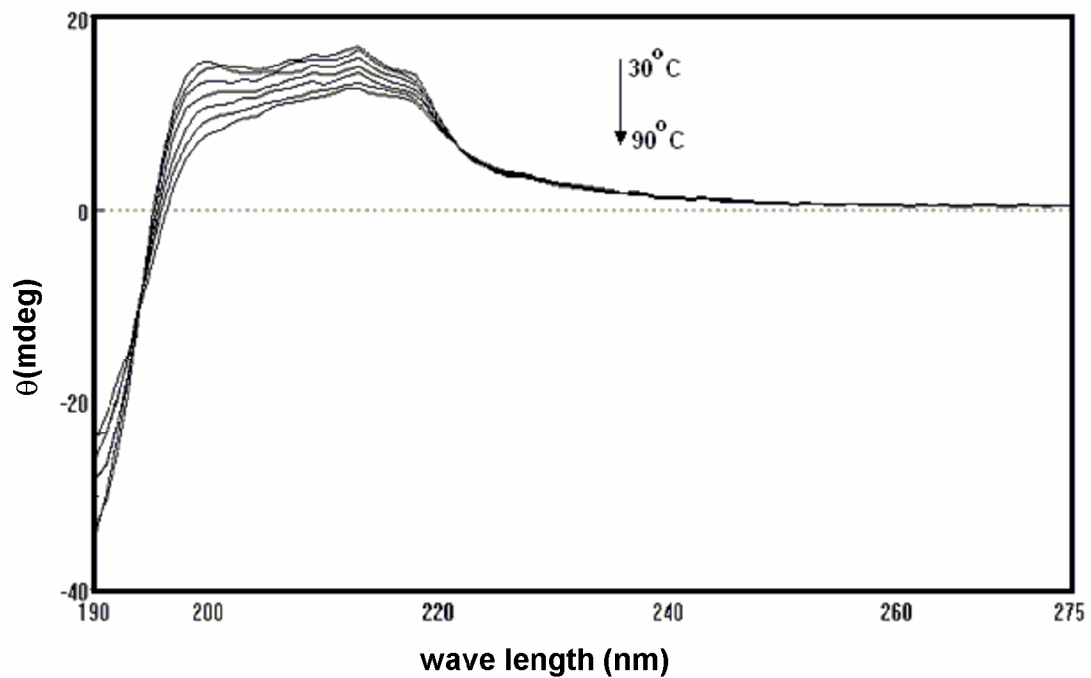
**Figure S5.** Temperature dependent CD spectra of Gelator **4** (0.025%, w/v).



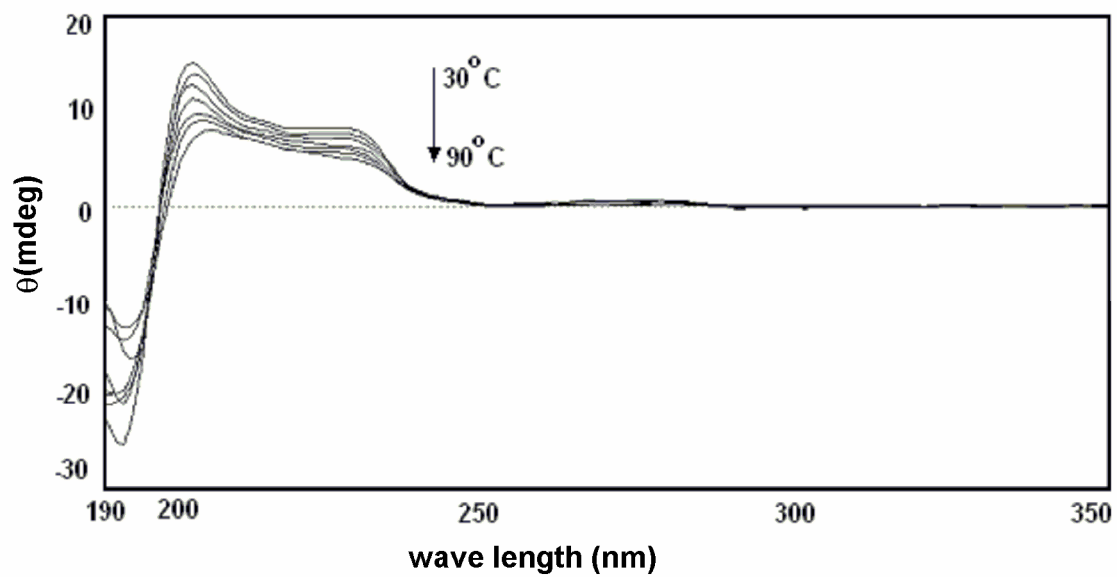
**Figure S1.** <sup>1</sup>H NMR spectra of amide proton of gelator **3** (4%, w/v) in [D<sub>6</sub>]DMSO with varying water content.



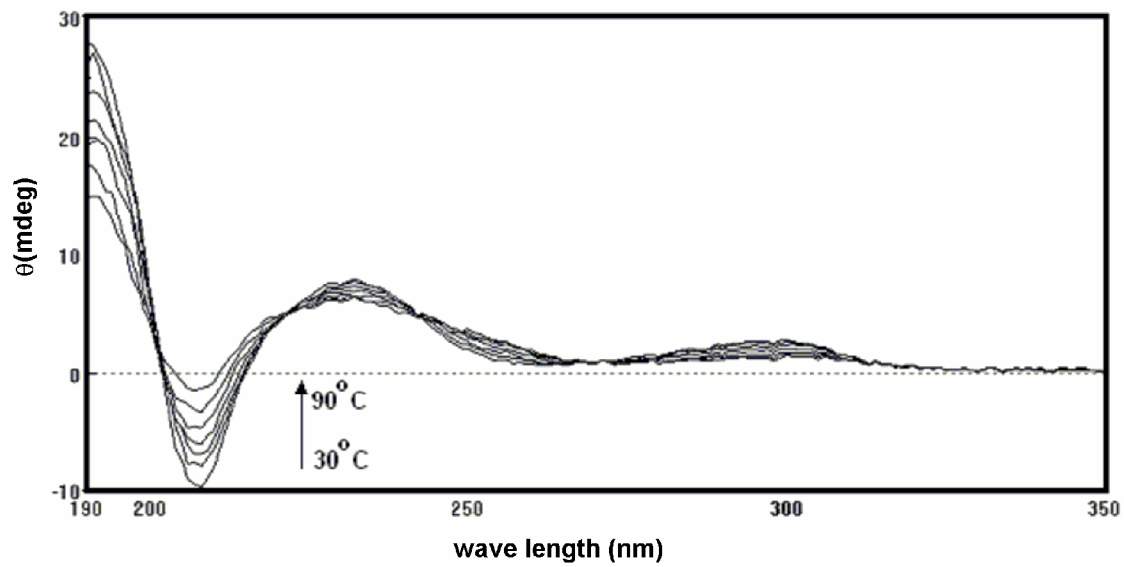
**Figure S2**, 2D-NOESY spectra of gelator **4** (4 %, w/v) in  $[D_6]$ DMSO with 70% water.



**Figure S3.** Temperature dependent CD spectra of gelator **2** (0.025%, w/v).



**Figure S4.** Temperature dependent CD spectra of Gelator **3** (0.025%, w/v).



**Figure S5.** Temperature dependent CD spectra of Gelator **4** (0.025%, w/v).