

Supporting Information

For

Multivalent Glycoclusters Constructed by Chiral Self-assembly of Mannose Functionalized Perylene Bisimide

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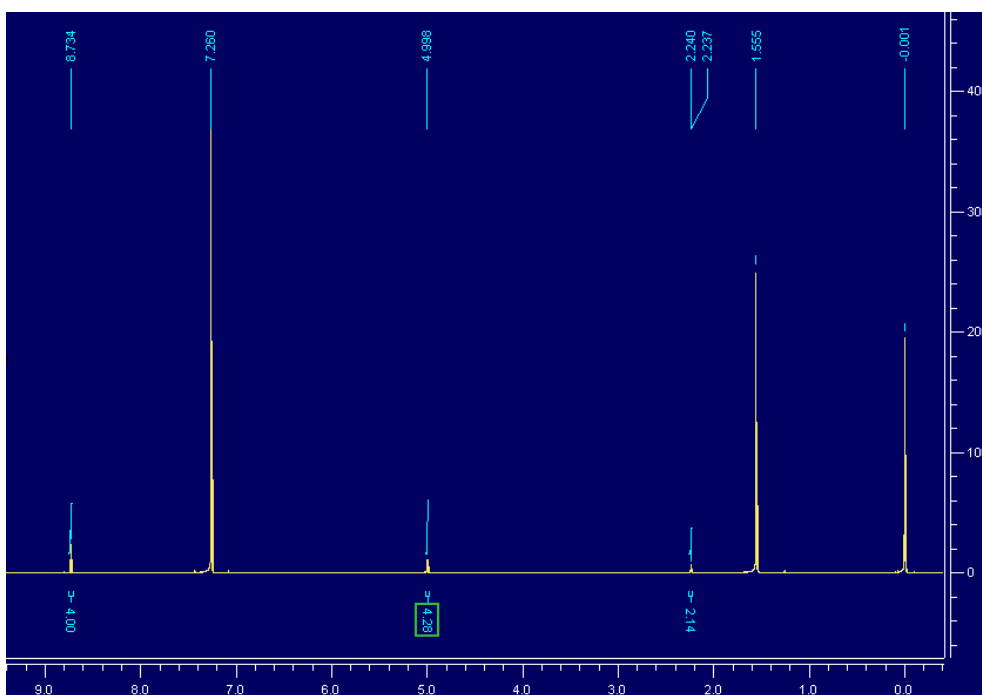


Figure S1. ^1H NMR spectrum (600 MHz, CDCl_3) of compound **2**.

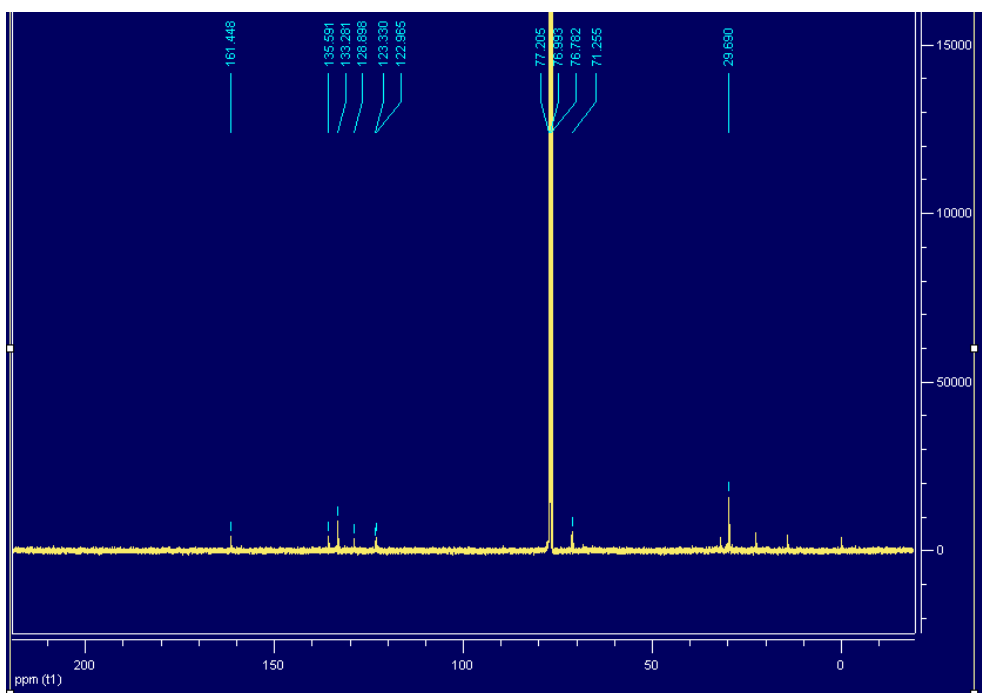


Figure S2. ^{13}C NMR spectrum (150 MHz, CDCl_3) of compound **2**.

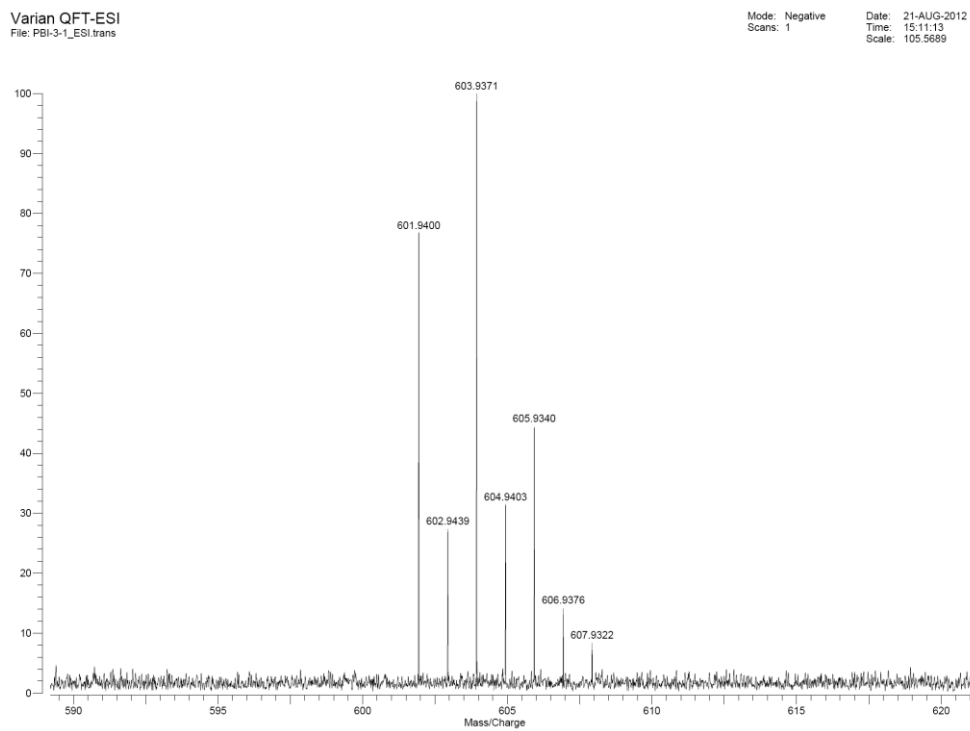


Figure S3. HRMS of compound 2.

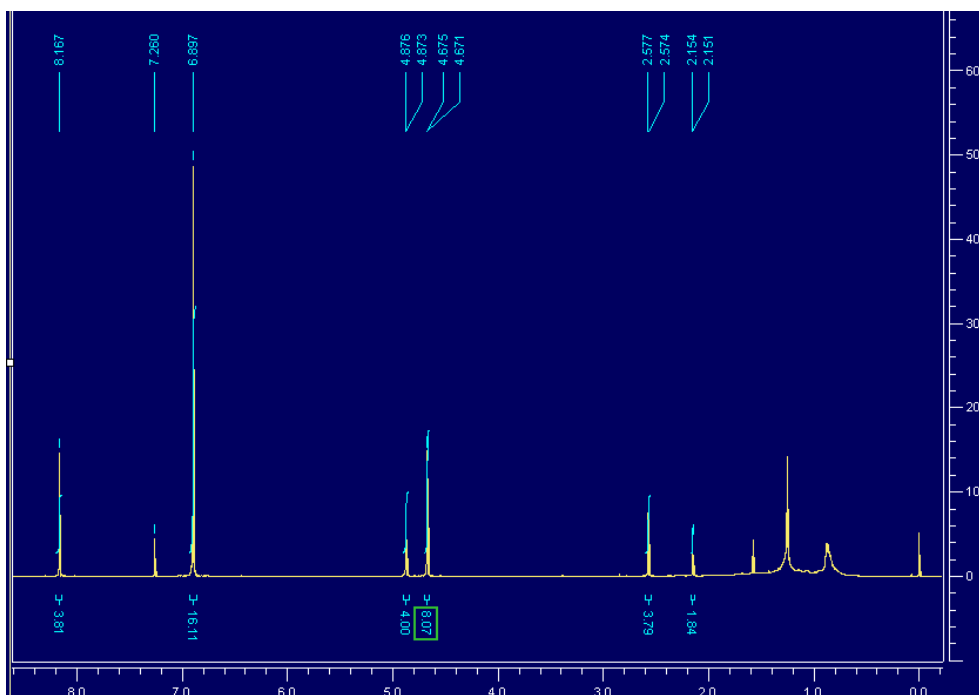


Figure S4. ^1H NMR spectrum (600 MHz, CDCl_3) of compound 4.

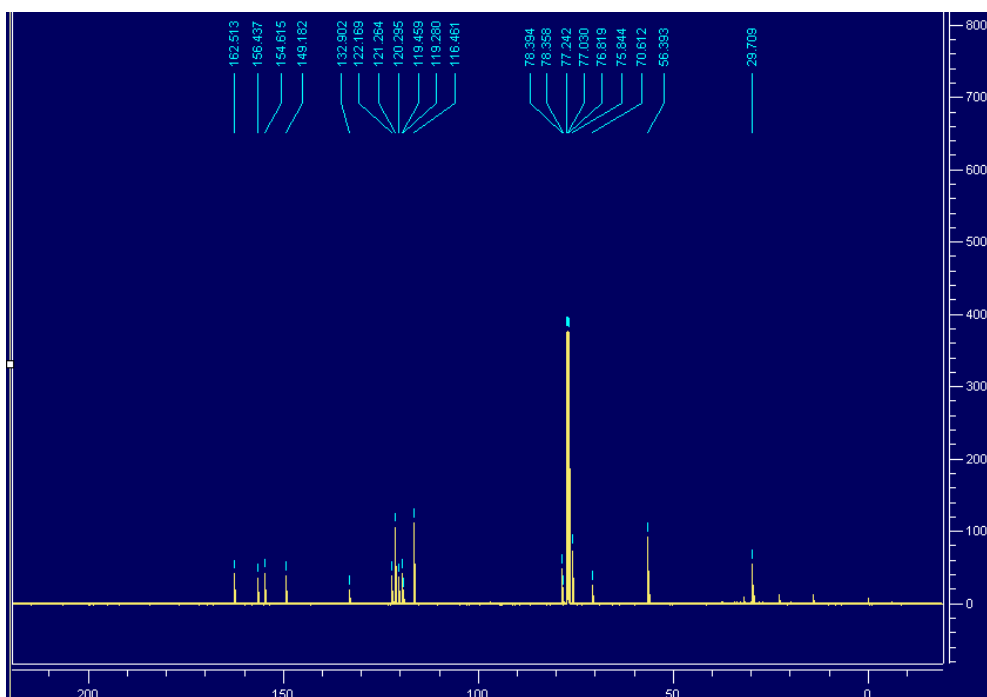


Figure S5. ^{13}C NMR spectrum (150 MHz, CDCl_3) of compound 4.

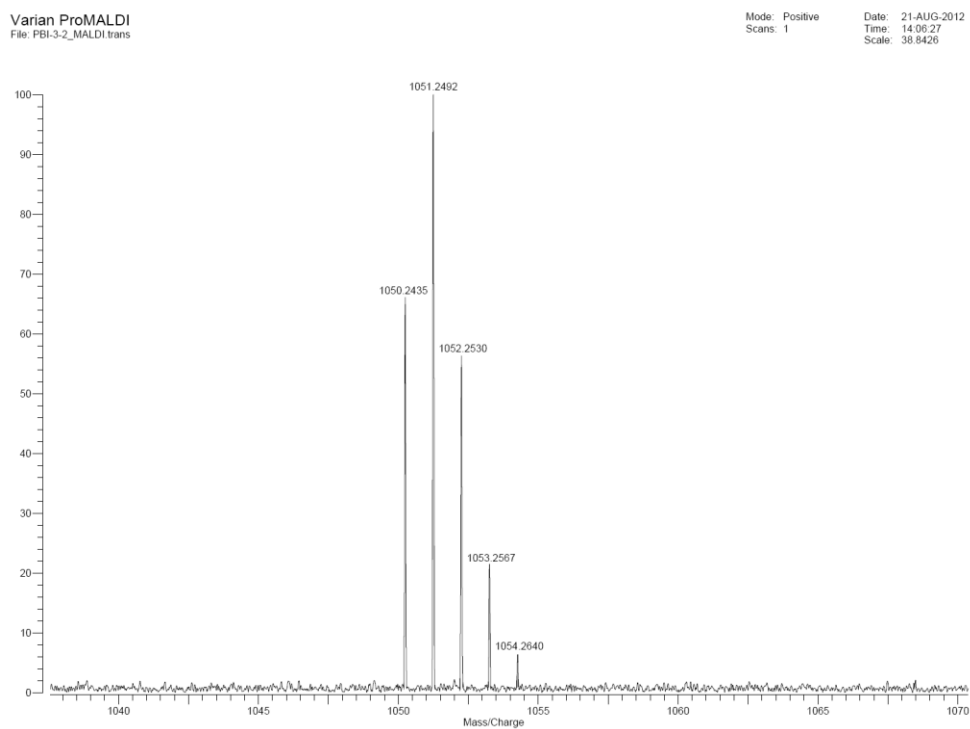


Figure S6. HRMS of compound 2.

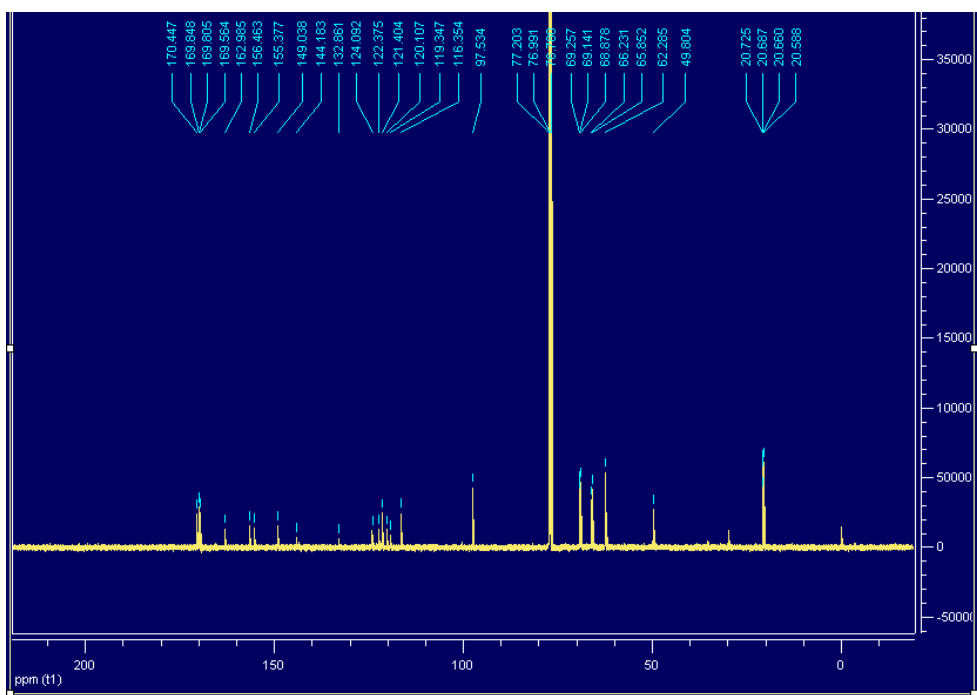


Figure S9. ^{13}C NMR (150 MHz, CDCl_3) of compound **6**.

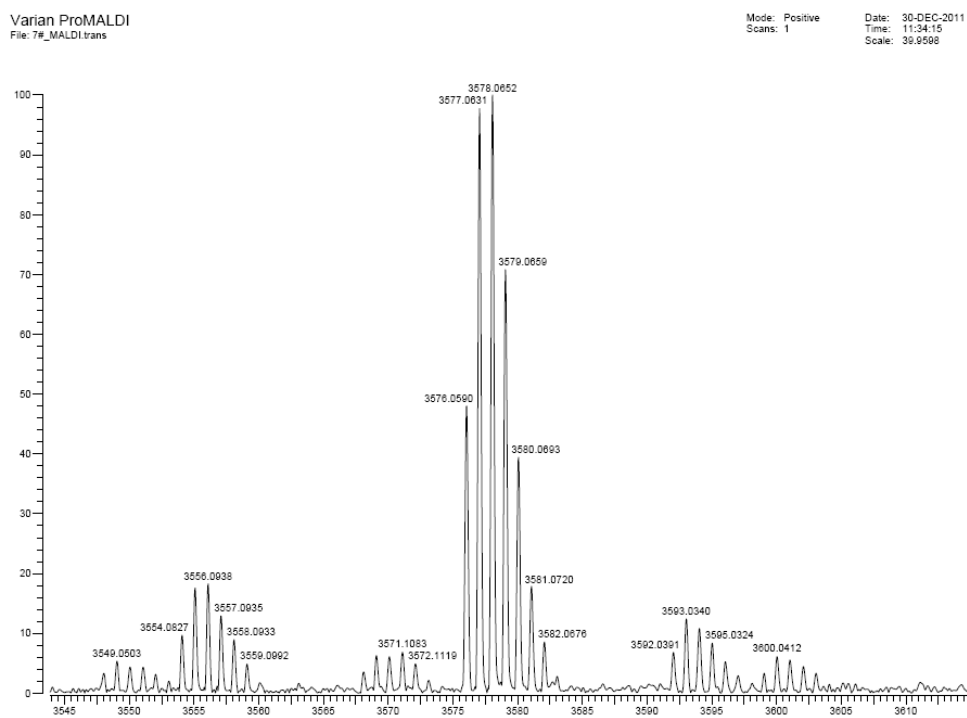


Figure S10. HRMS of compound **6**.

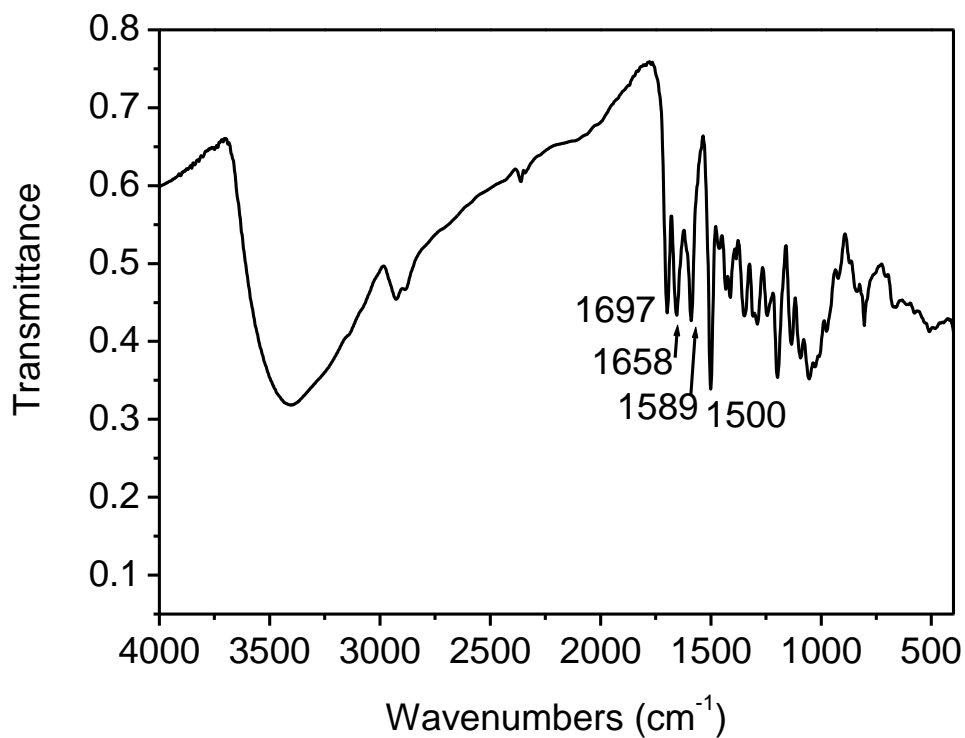


Figure S11. FT-IR spectrum of compound **7**.

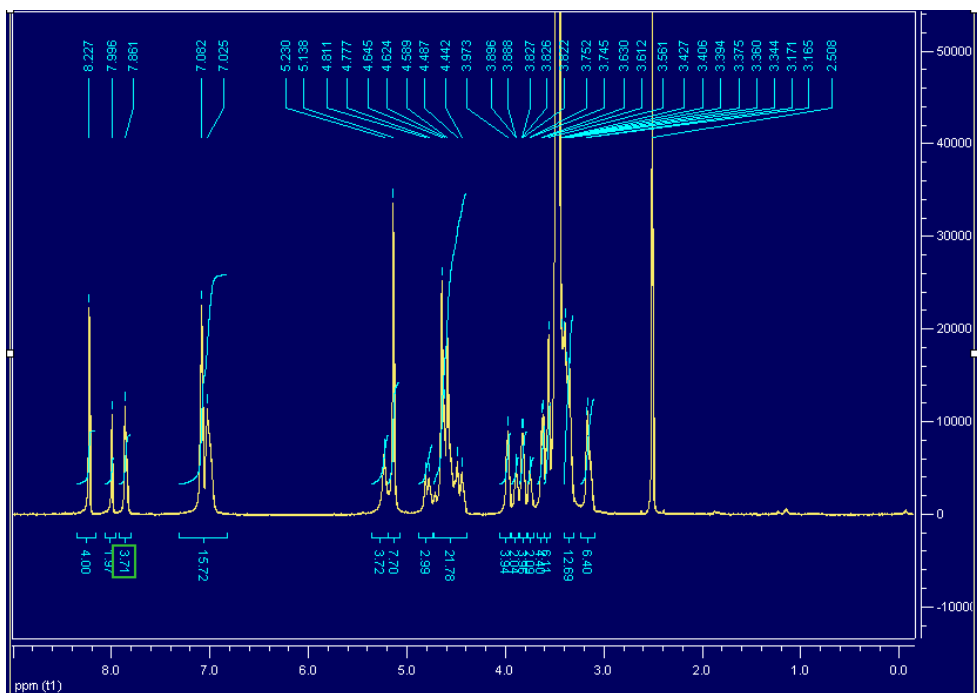


Figure S12. ¹H NMR (600 MHz, DMSO-*d*₆ + D₂O) of compound **7**.

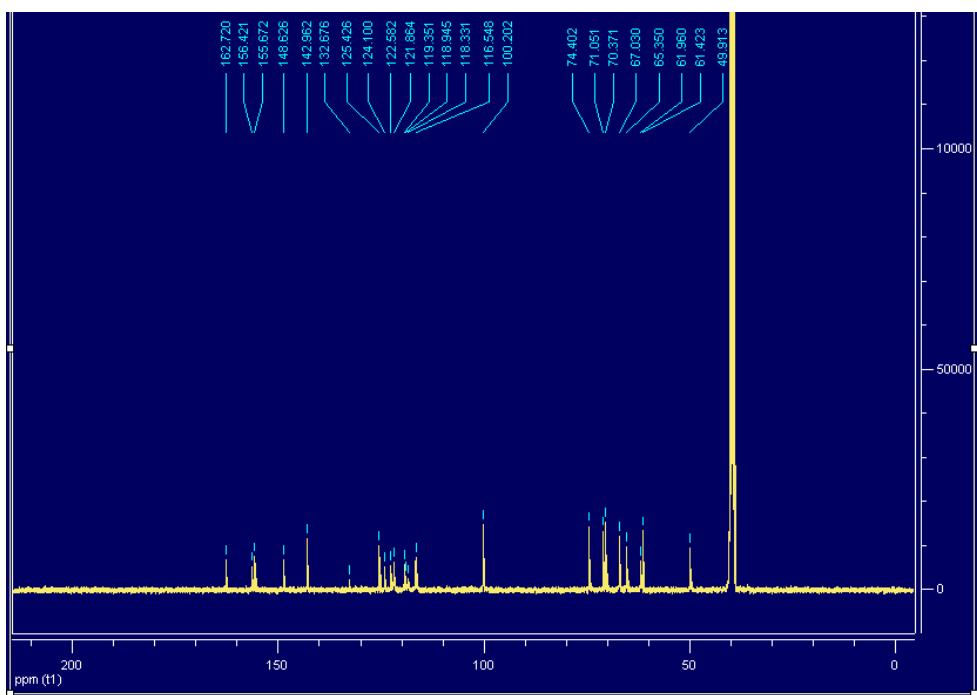


Figure S13. ¹³C NMR (150 MHz, DMSO-*d*₆ + D₂O) of compound 7.

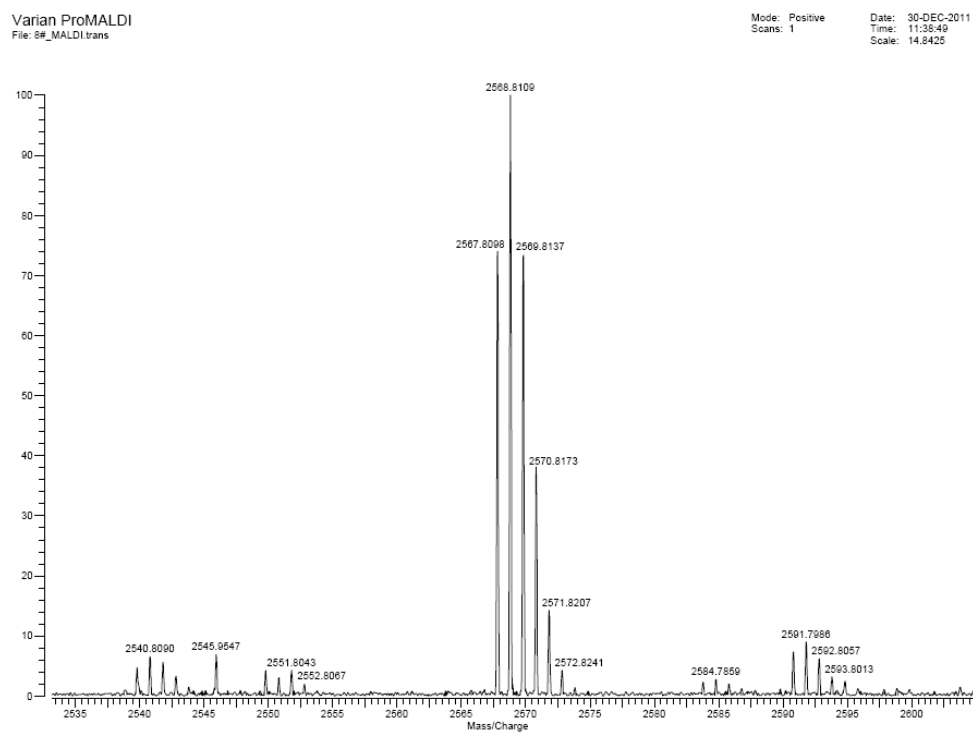


Figure S14. HRMS of compound 7.

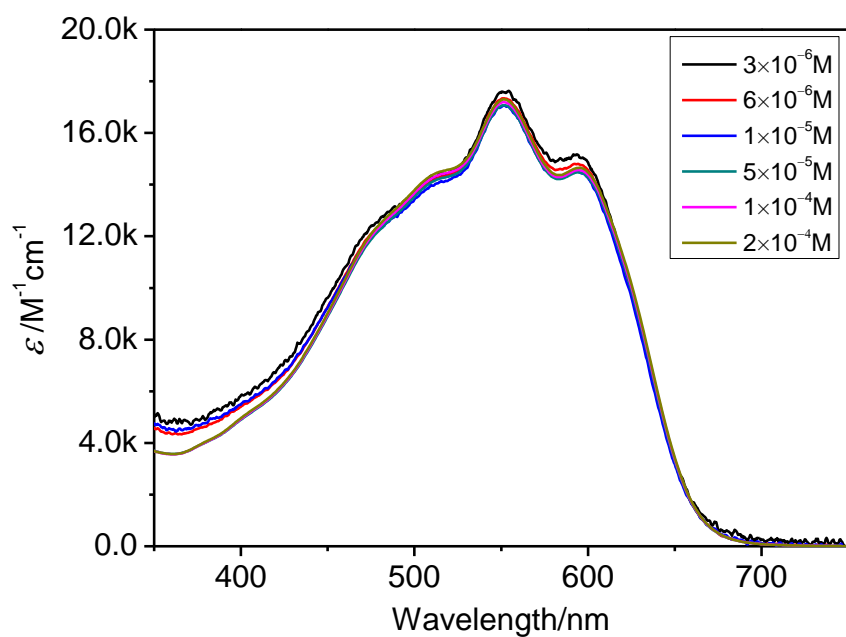


Figure S15. Concentration-dependent UV-Vis spectra of **7** from 3×10^{-6} M to 2×10^{-4} M in water.

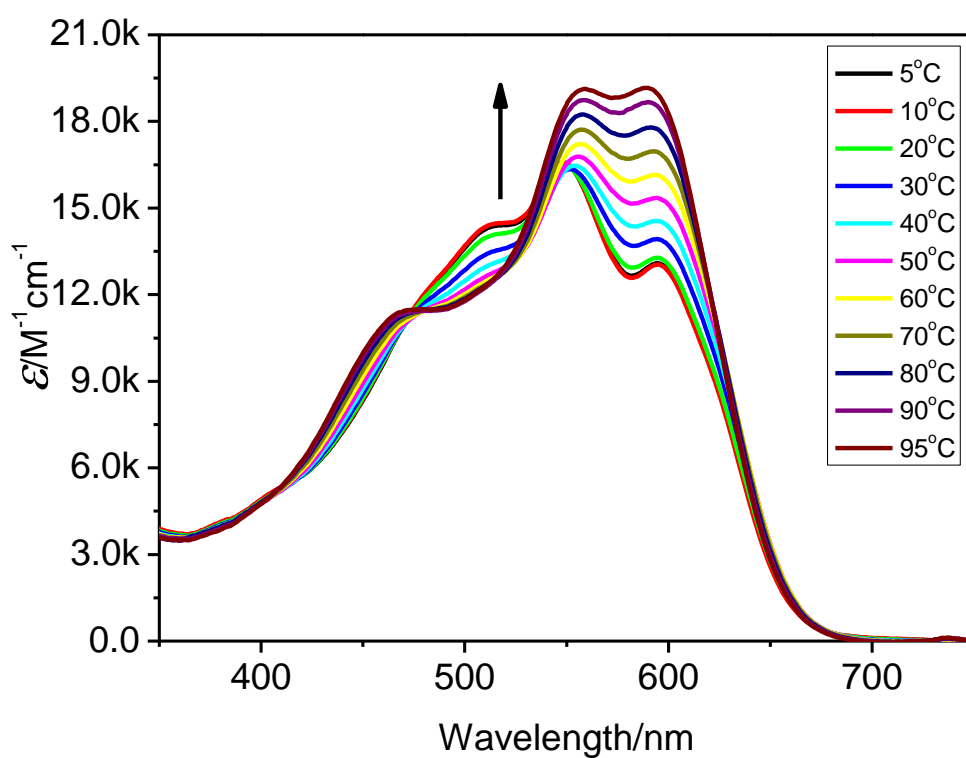


Figure S16. Temperature-dependent UV-Vis spectra of **7** (2×10^{-5} M) from 5 °C to 95 °C in water.

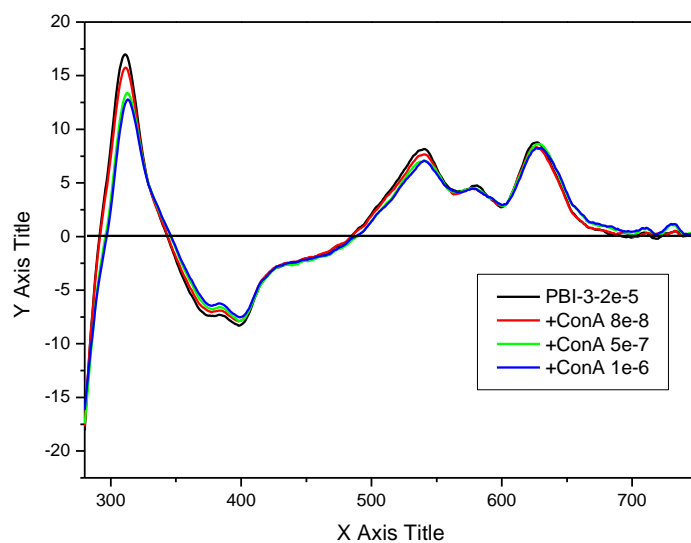


Figure S17. CD spectra of compound **7** (2×10^{-5} M) upon addition of Con A in PBS buffer (pH = 7.2, 10 mM, 0.1 mM MnCl_2 and 0.1 mM CaCl_2).

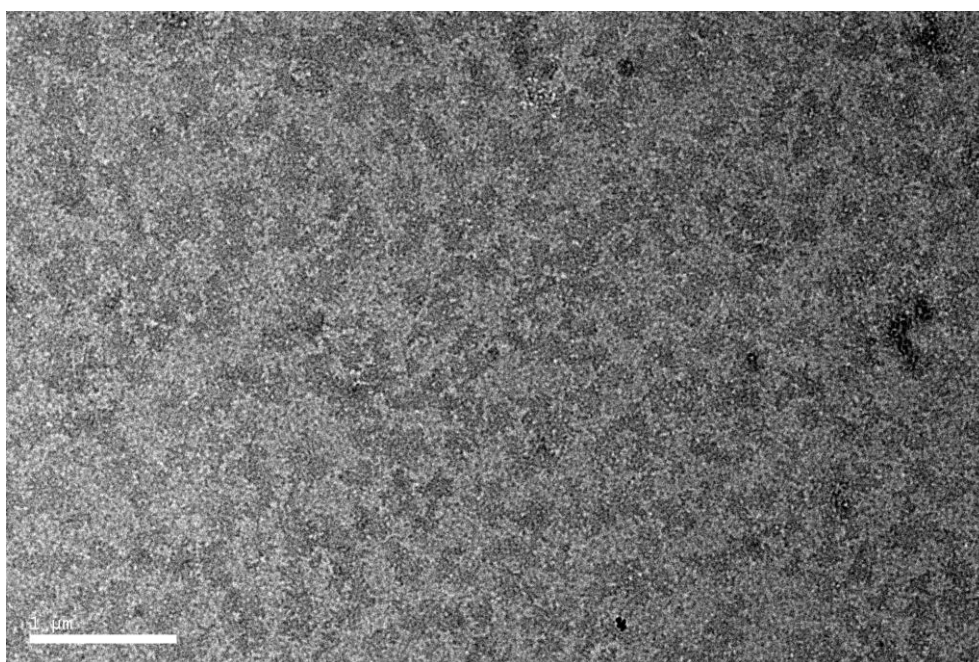


Figure S18. TEM image of the self-assembly of compound **7**.

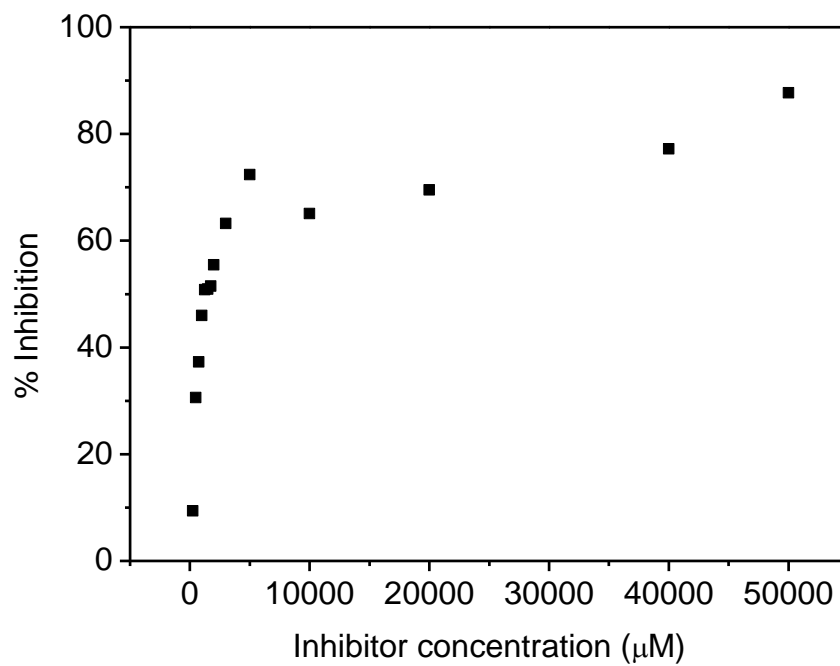


Figure S19. Inhibition curve of α -MMP for determination of the IC_{50} .