Supporting Information

For

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

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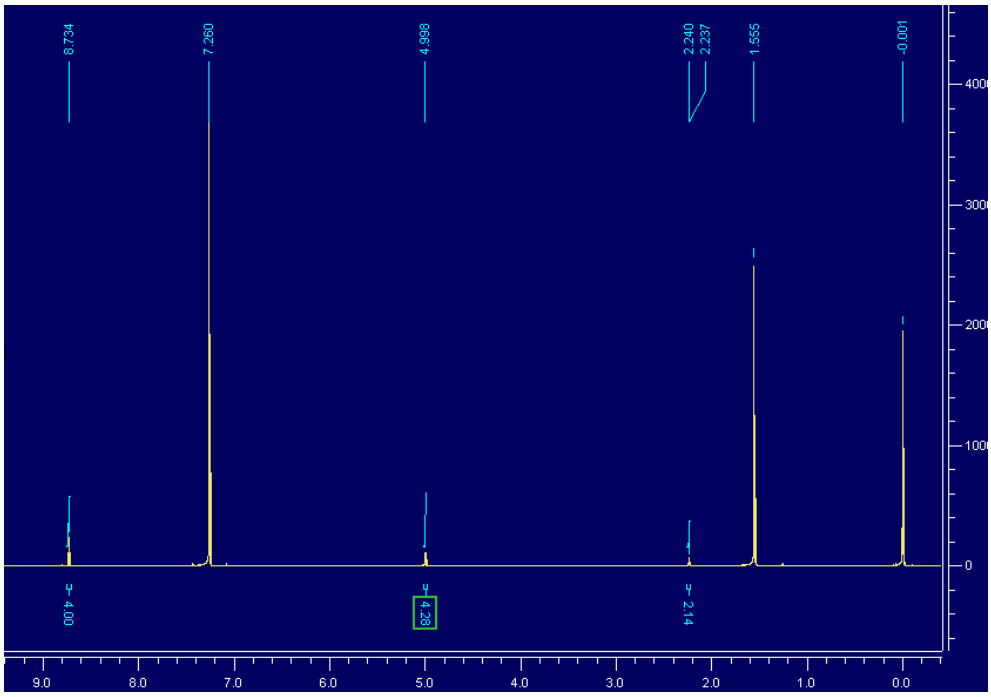

Figure S1. ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **2**.

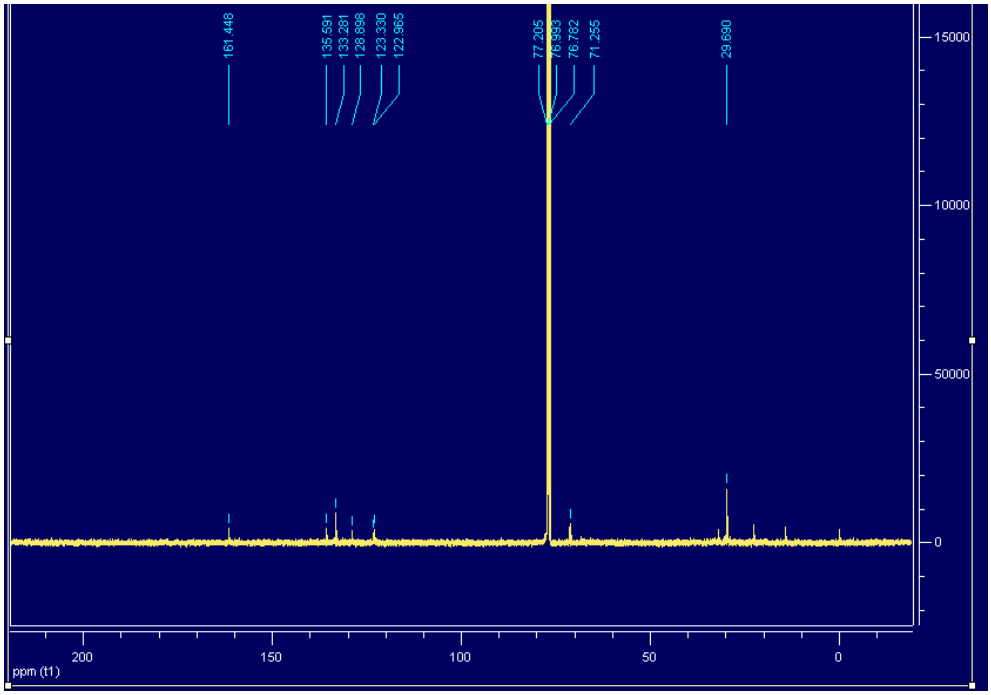

Figure S2. ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **2**.

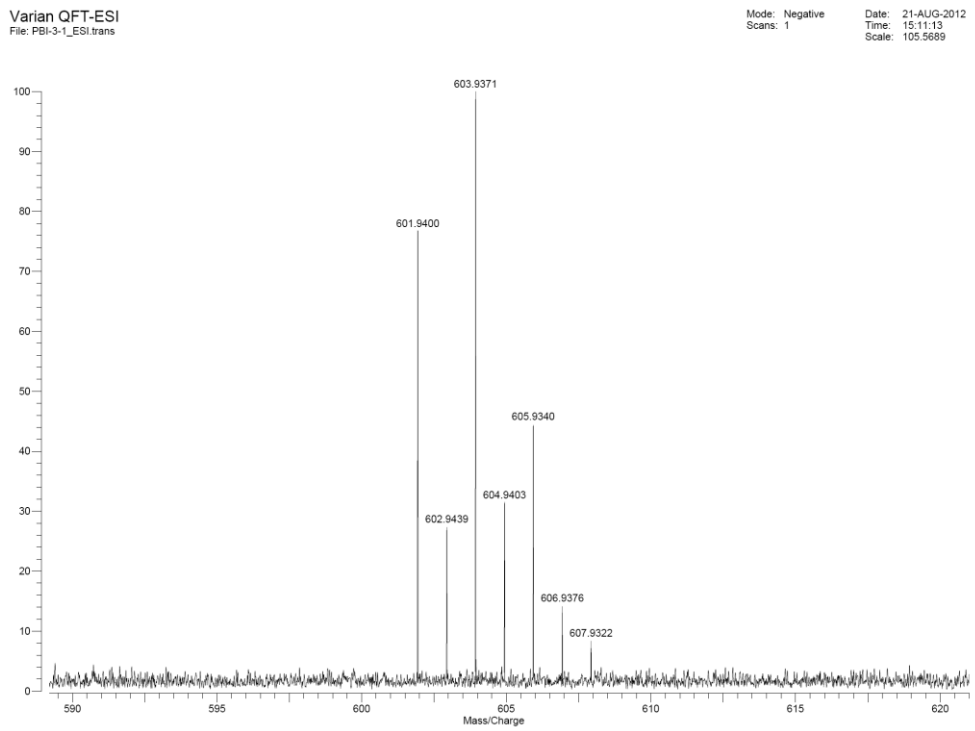

Figure S3. HRMS of compound **2**.

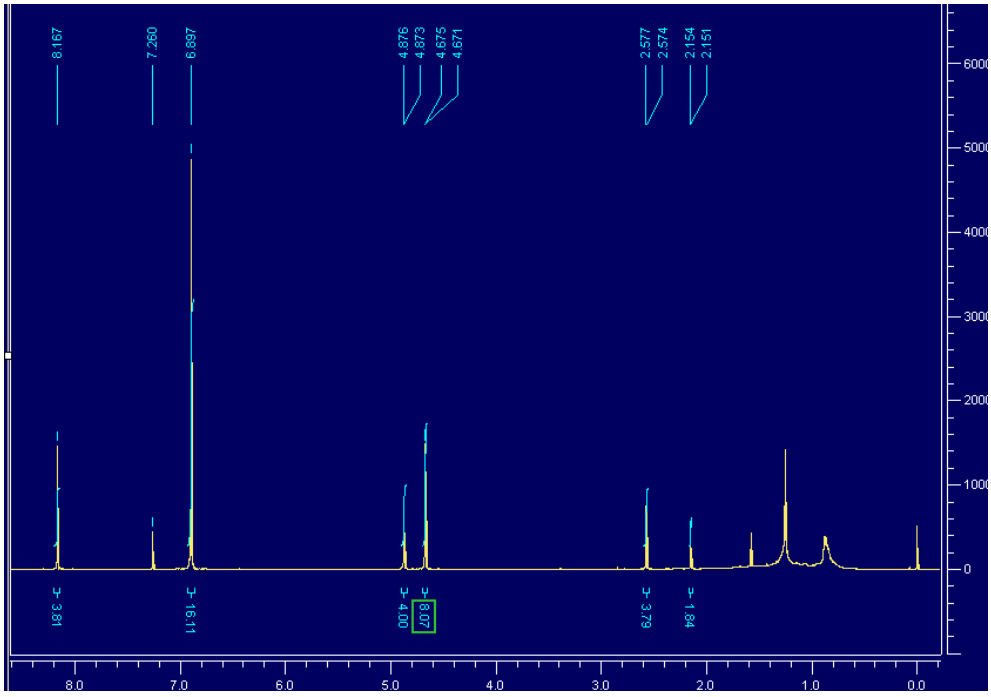

Figure S4. ^{1}H NMR spectrum (600 MHz, $CDCl_3$) of compound **4**.

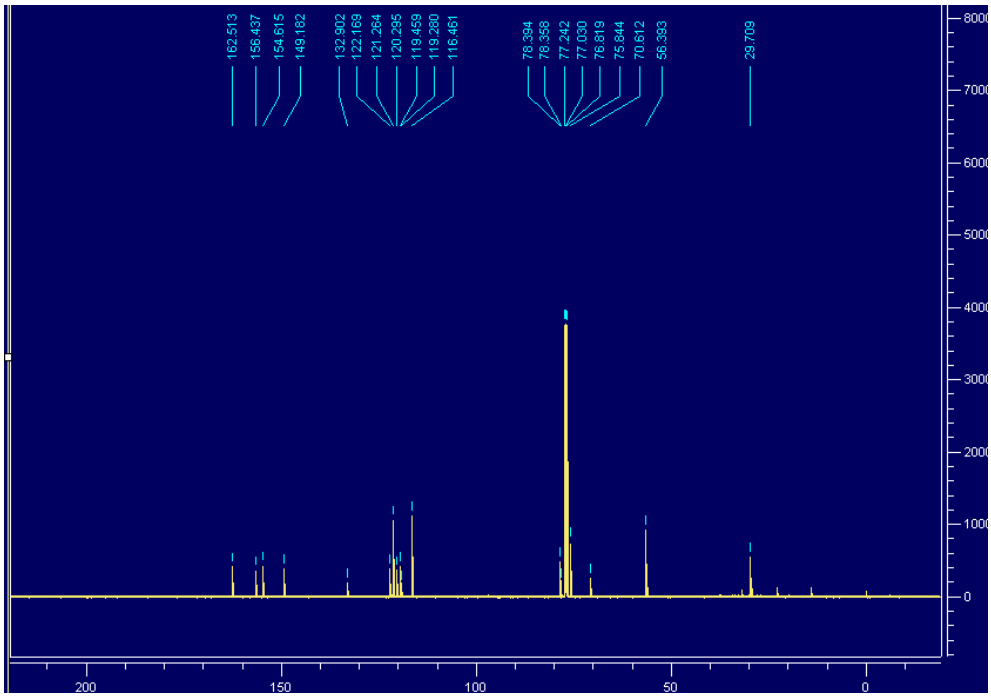

Figure S5. ^{13}C NMR spectrum (150 MHz, $CDCl_3$) of compound **4**.

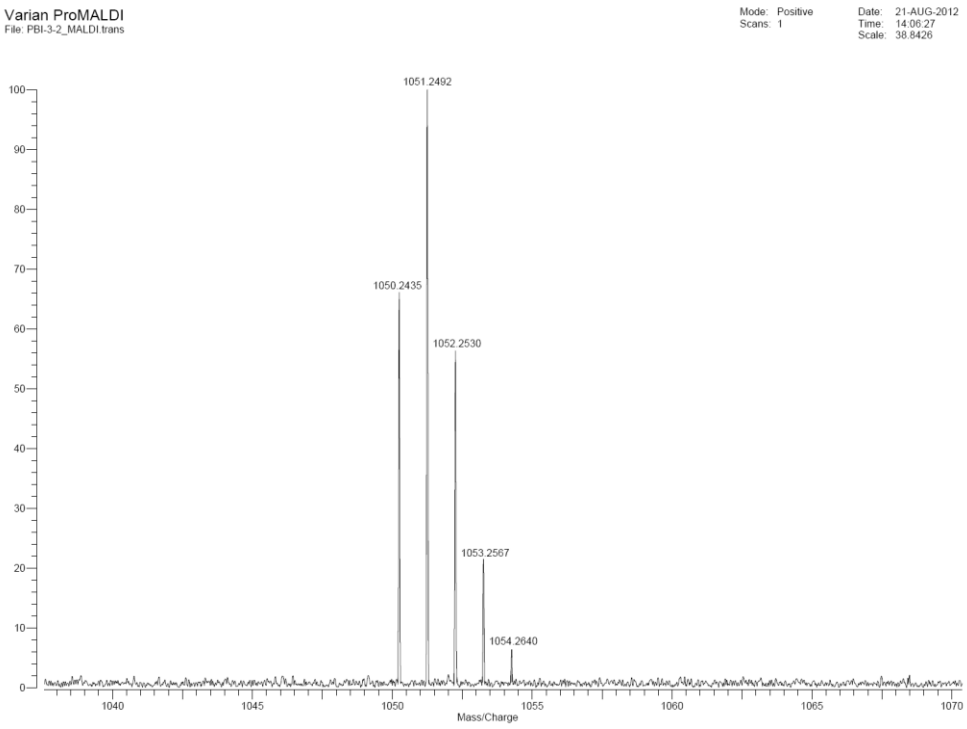

Figure S6. HRMS of compound **2**.

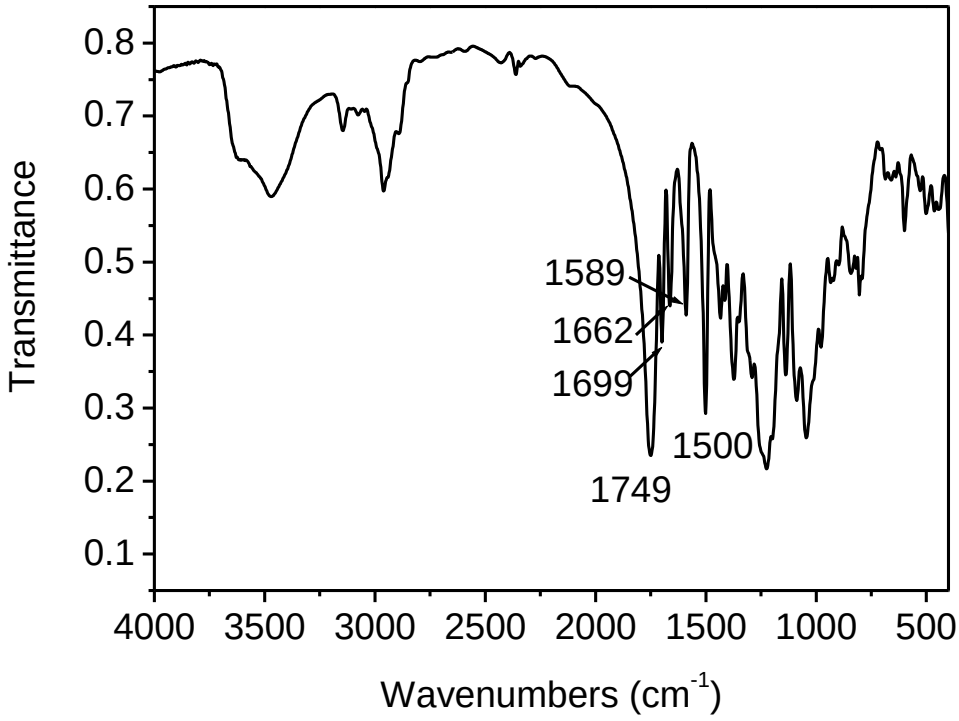

Figure S7. FT–IR spectrum of compound **6**.

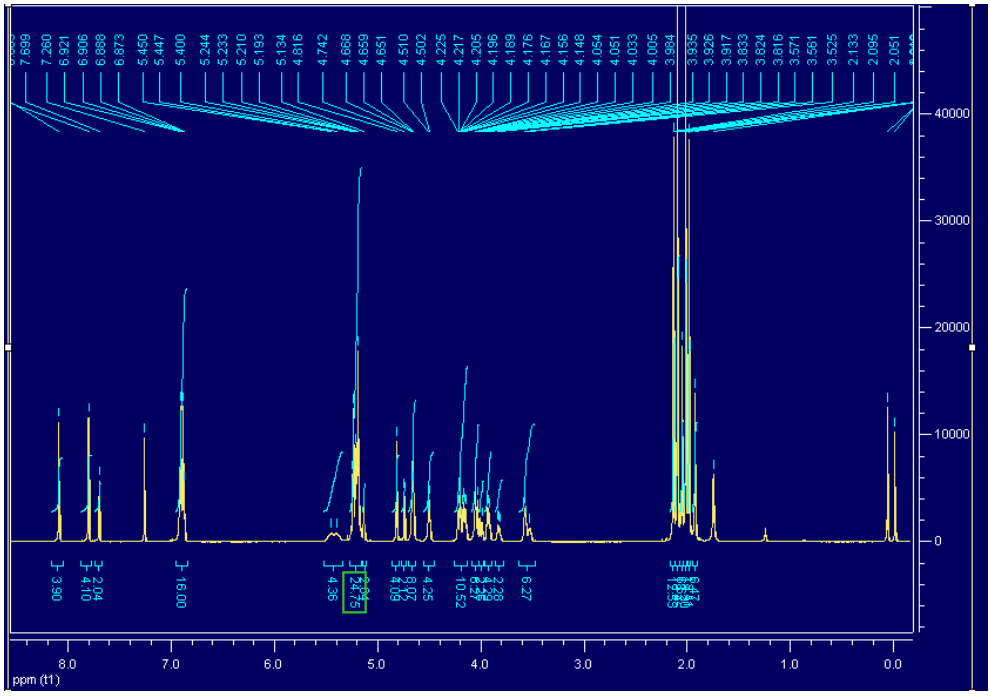

Figure S8. ^{1}H NMR (600 MHz, $CDCl_3$) of compound **6**.

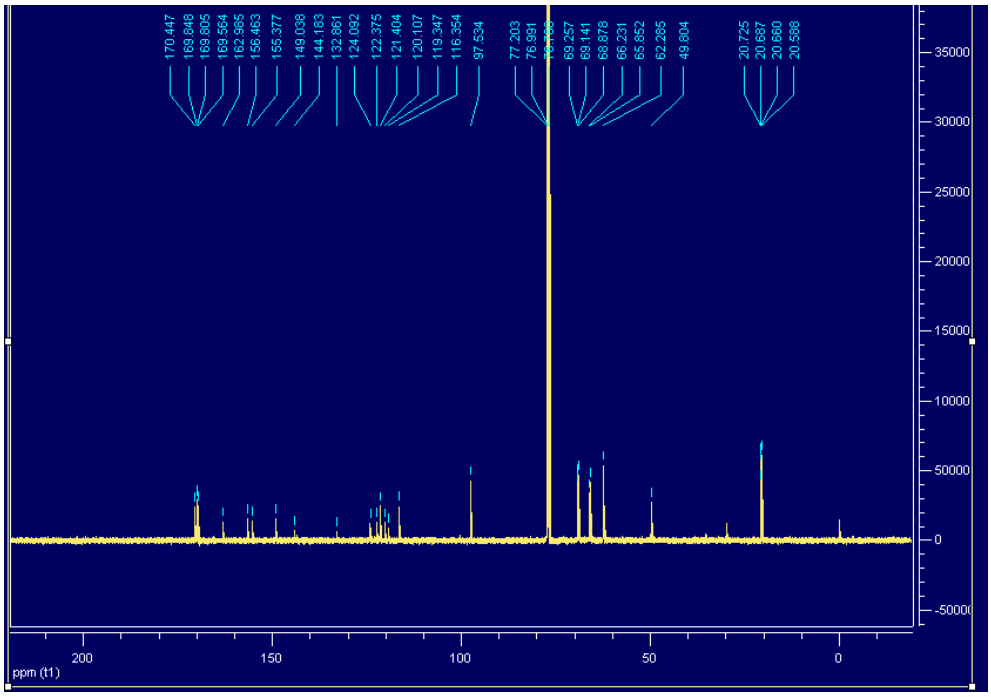

Figure S9. ^{13}C NMR (150 MHz, $CDCl_3$) of compound **6**.

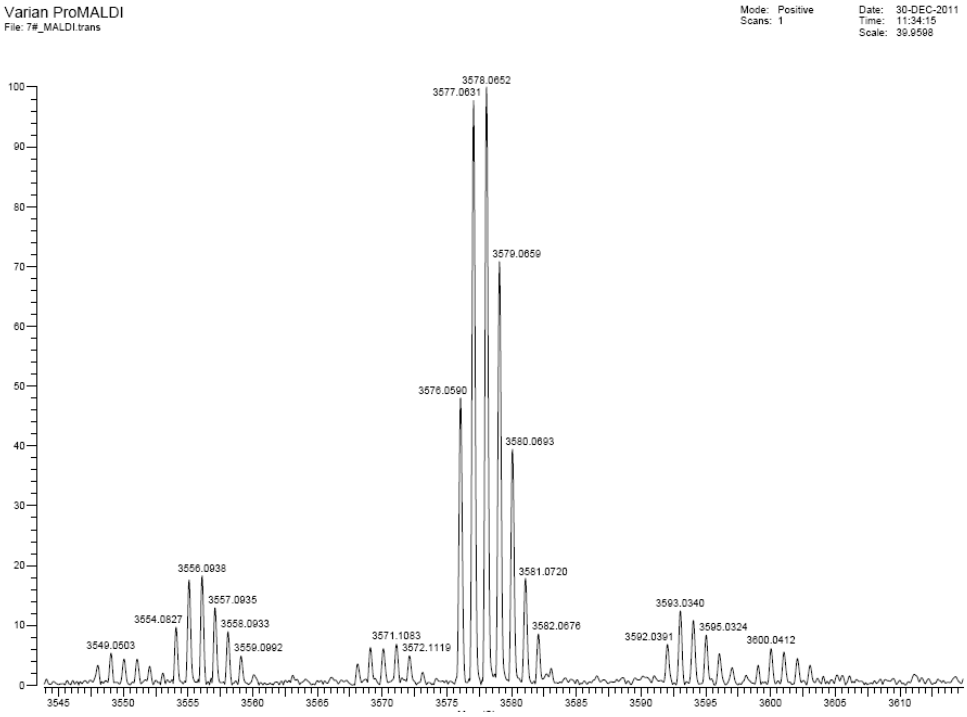

Figure S10. HRMS of compound **6**.

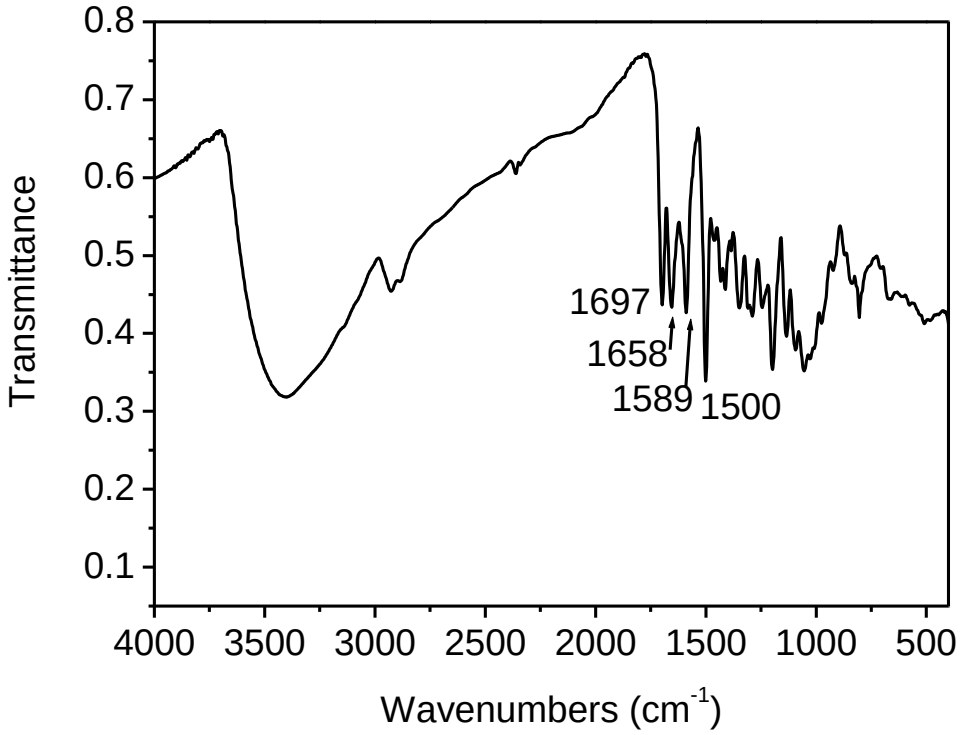

Figure S11. FT–IR spectrum of compound **7**.

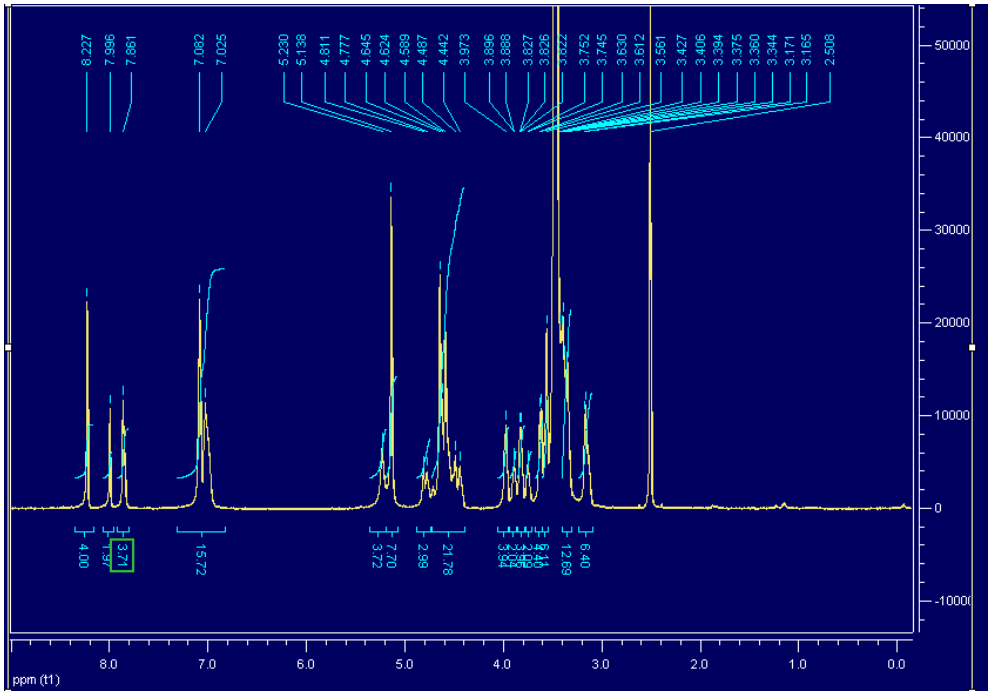

Figure S12. ^{1}H NMR (600 MHz, DMSO-d_6 + D_2O) of compound **7**.

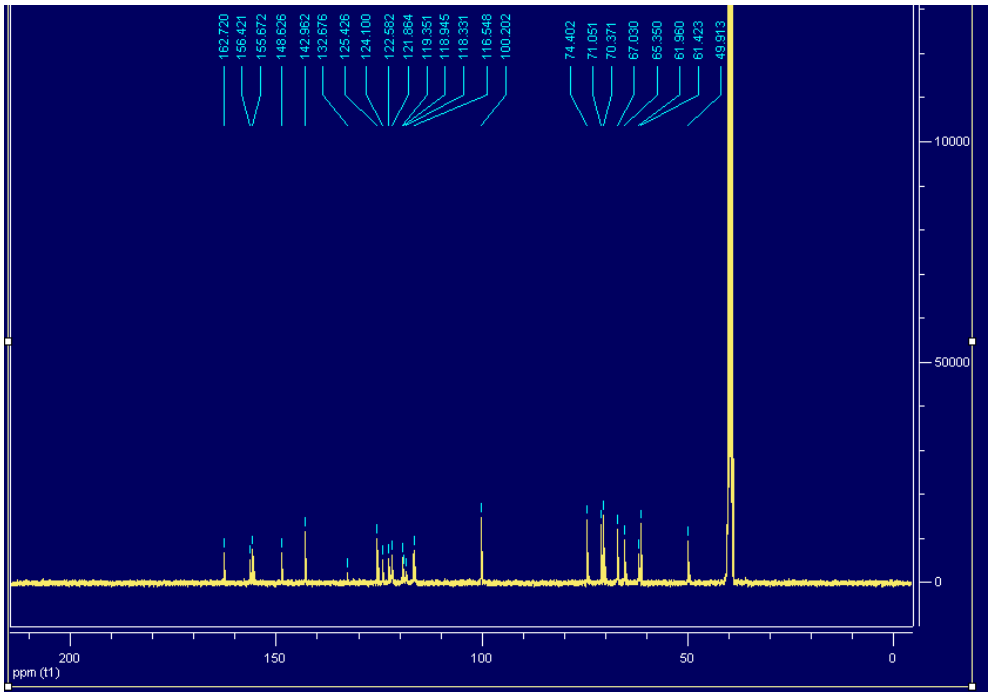

Figure S13. ^{13}C NMR (150 MHZ, DMSO-d_6 + D_2O) of compound **7**.

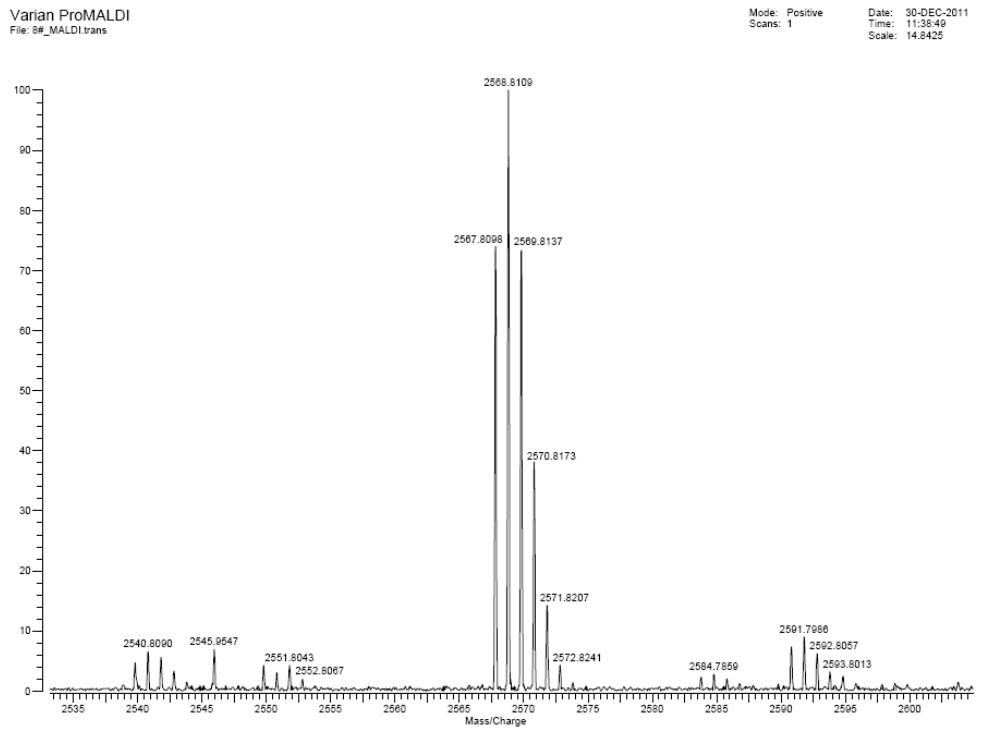

Figure S14. HRMS of compound **7**.

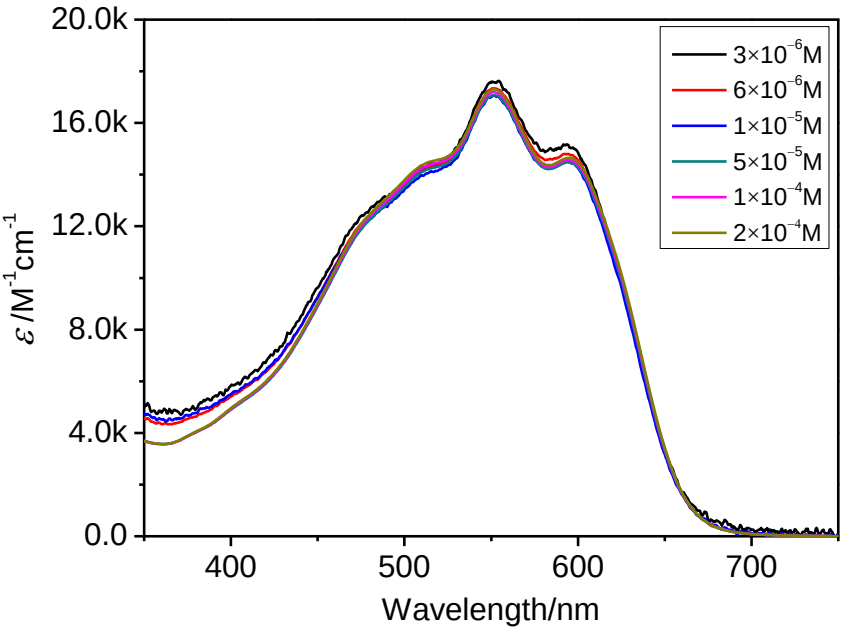

Figure S15. Concentration-dependent UV-Vis spectra of **7** from 3×10^{-6} M to 2×10^{-4} M in water.

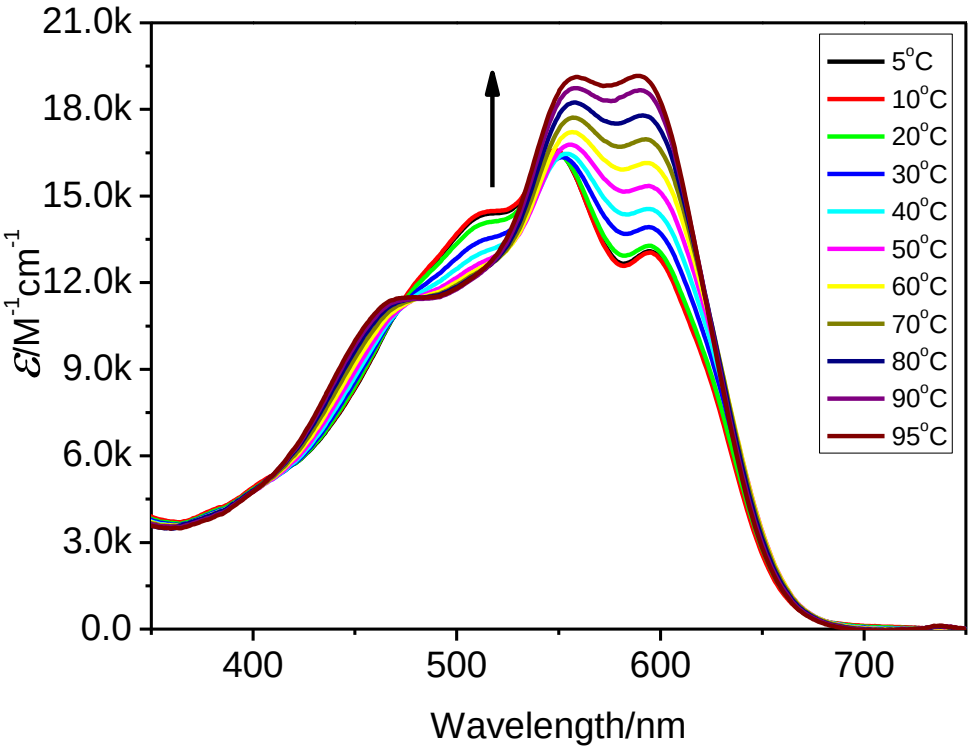

Figure S16. Temperature-dependent UV-Vis spectra of **7** (2×10^{-5} M) from 5 °C to 95 °C in water.

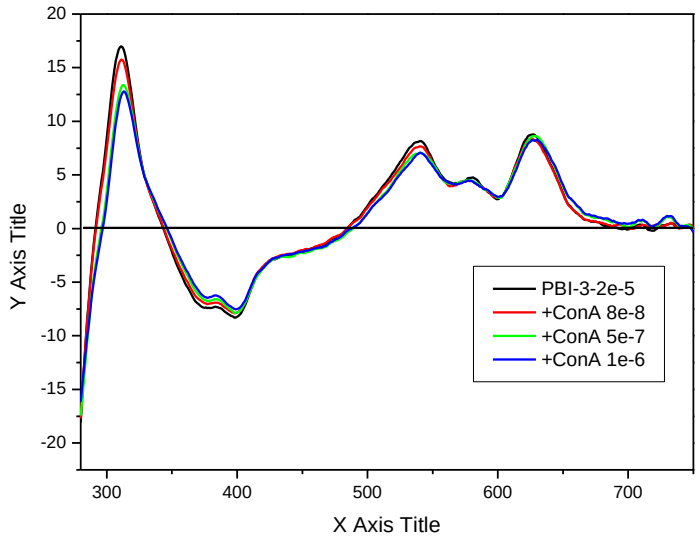

Figure S17. CD spectra of compound **7** (2×10^{-5} M) upon addition of Con A in PBS buffer (pH = 7.2, 10 mM, 0.1 mM $MnCl_2$ and 0.1 mM $CaCl_2$).

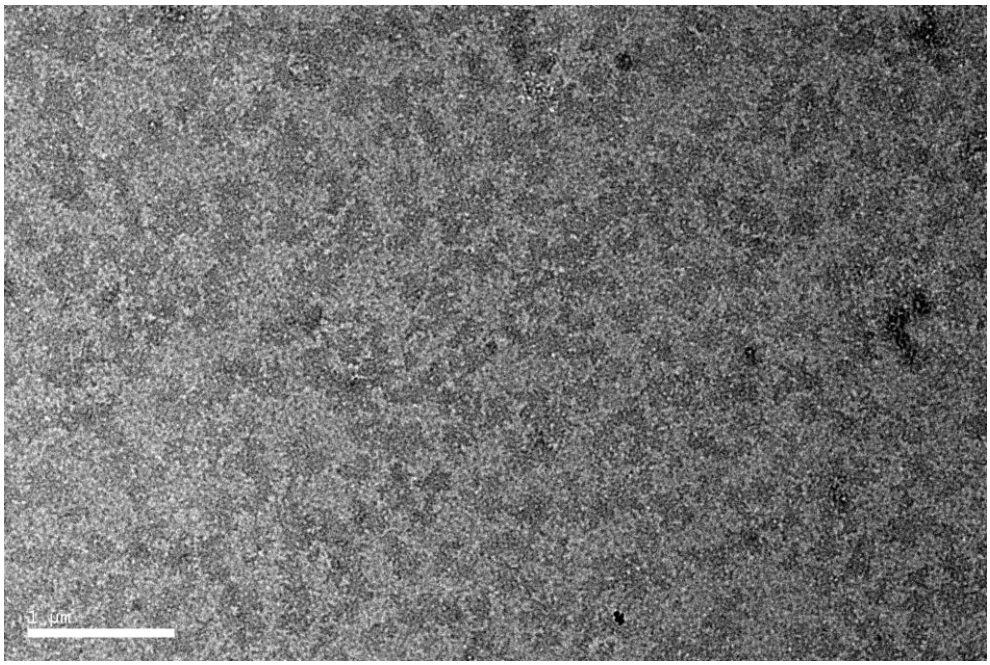

Figure S18. TEM imge of the self-assembly of compound **7**.

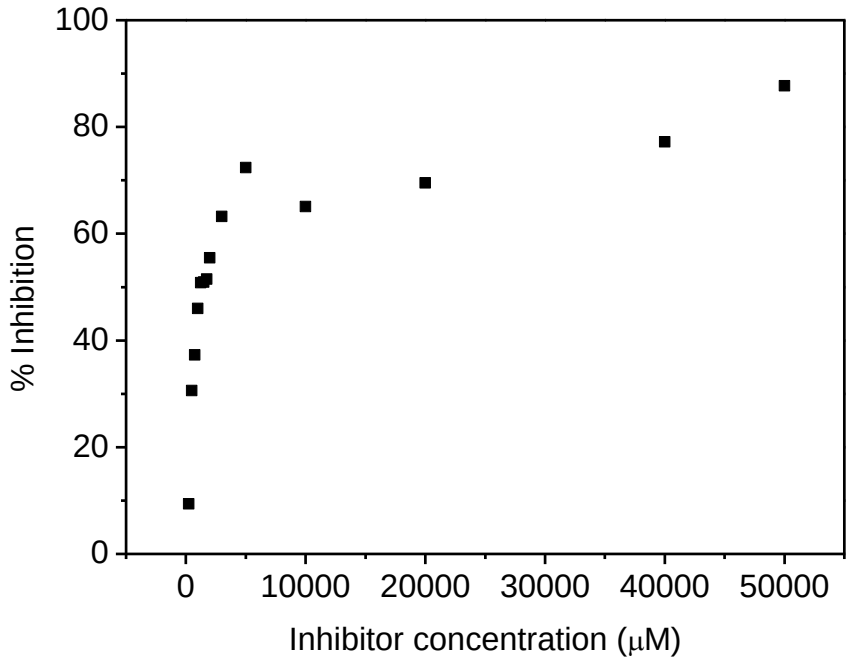

Figure S19. Inhibition curve of α-MMP for determination of the IC_{50}.