

Figure S1. ¹H NMR spectrum (600 MHz, 298 K, D₂O) of CWP[5]L.

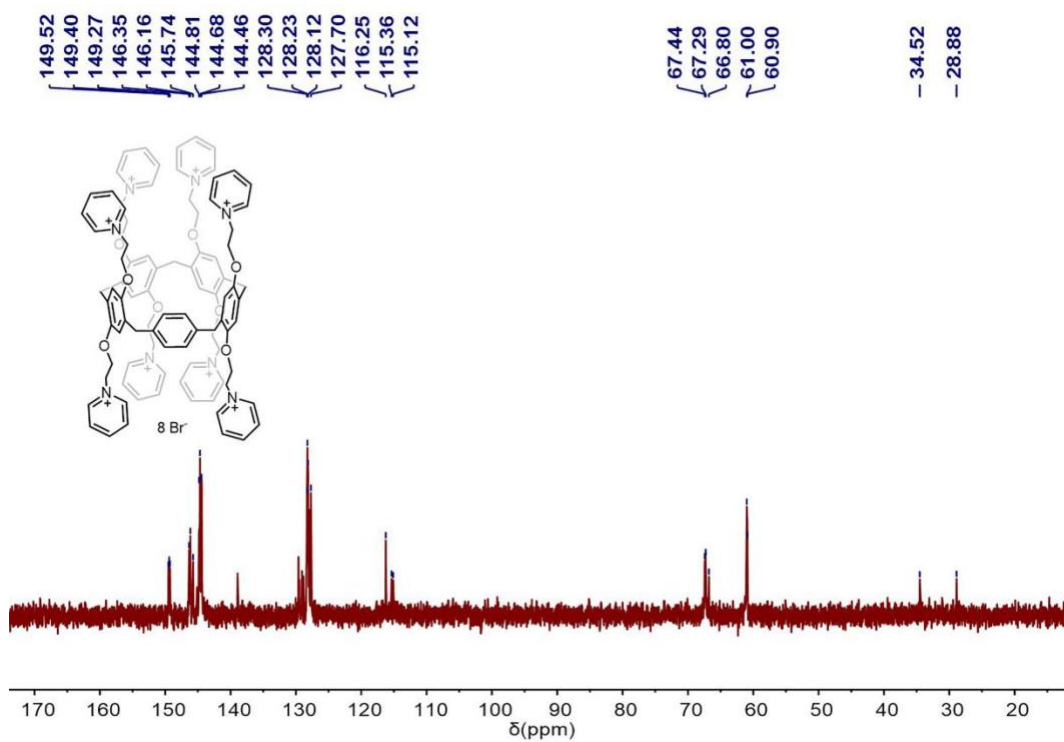


Figure S2. ¹³C NMR spectrum (101 MHz, 298 K, D₂O) of CWP[5]L.

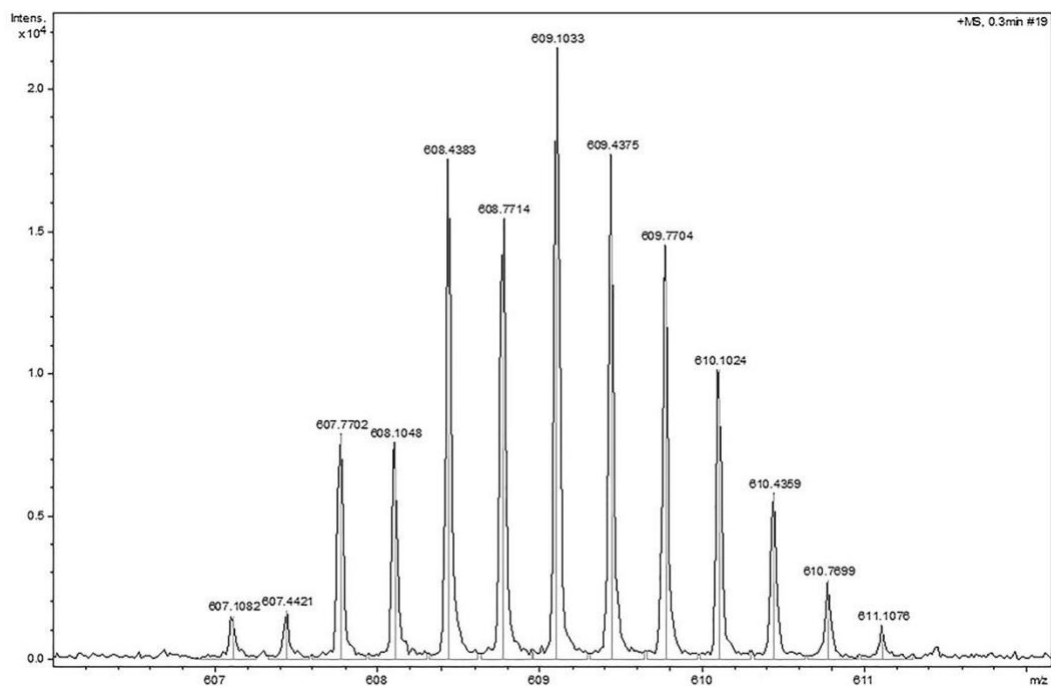


Figure S3. HRMS (ESI) spectrum of **CWP[5]L**.

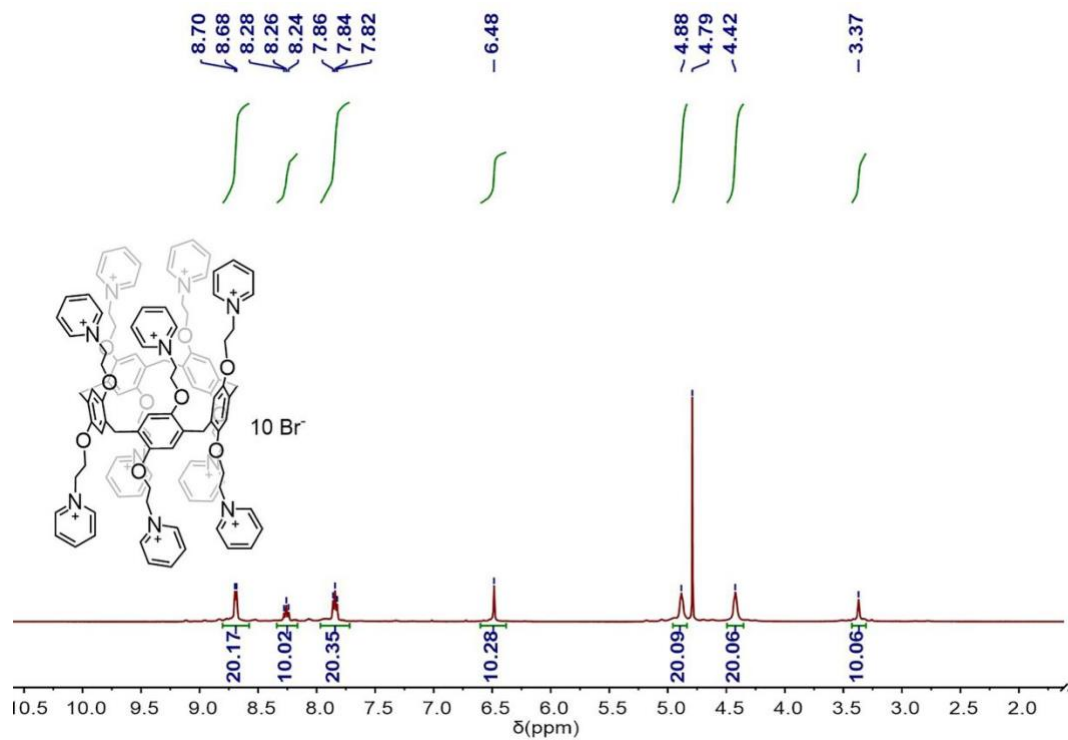


Figure S4. ^1H NMR spectrum (400 MHz, 298 K, D_2O) of **CWP[5]A**.

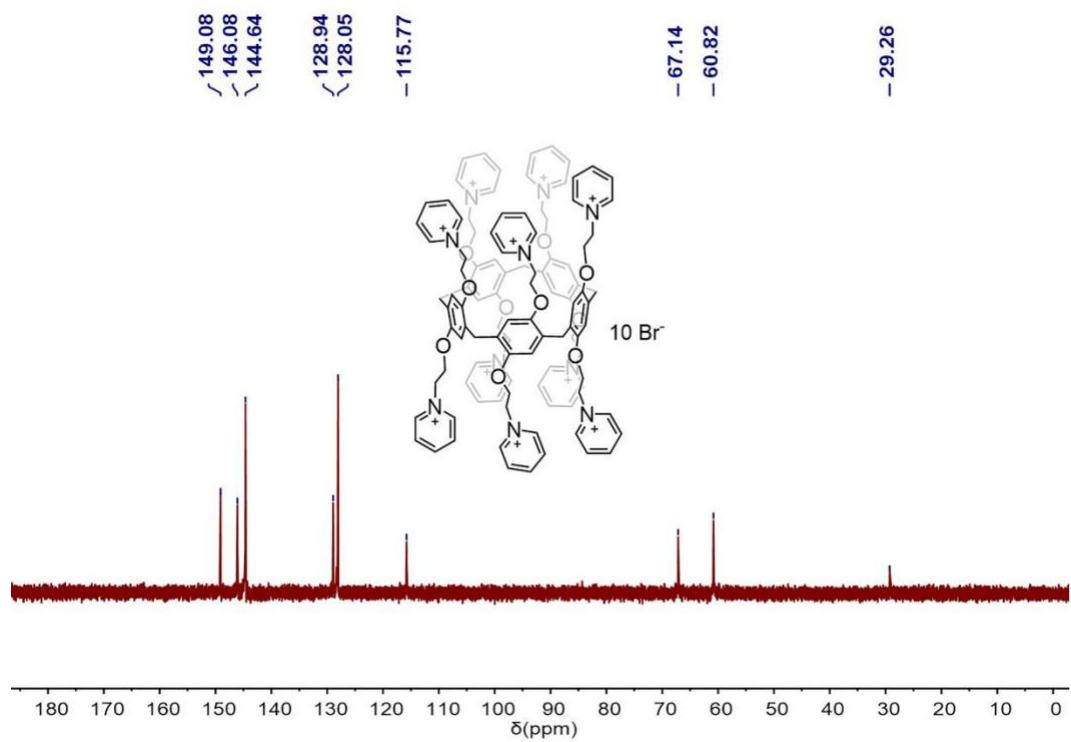


Figure S5. ¹³C NMR spectrum (101 MHz, 298 K, D₂O) of CWP[5]A.

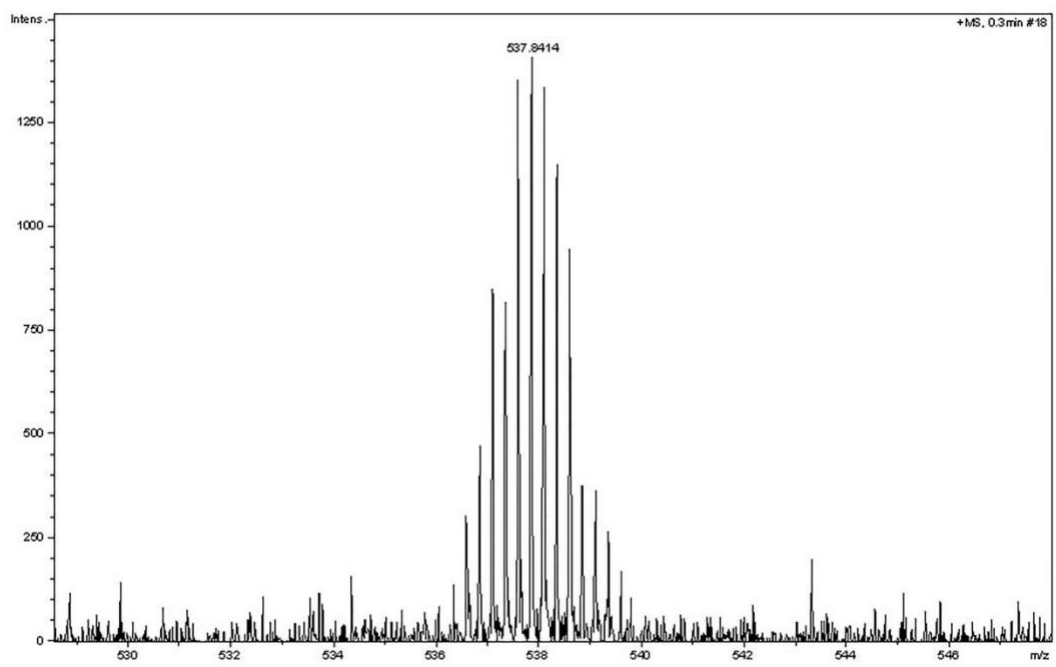


Figure S6. HRMS (ESI) spectrum of CWP[5]A.

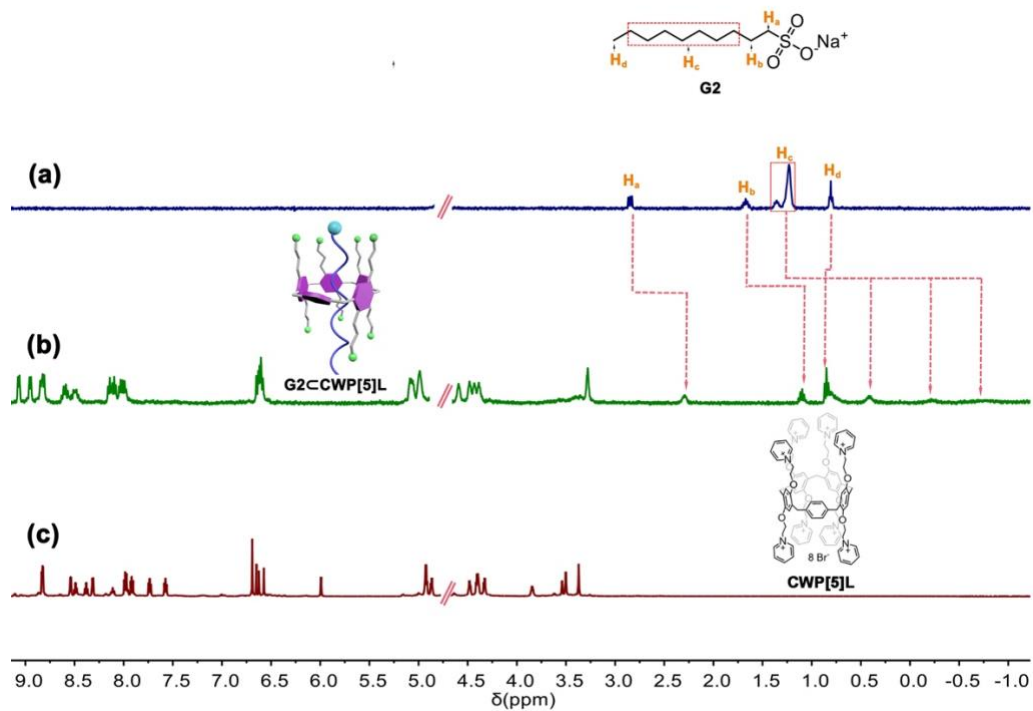


Figure S7. (a) ^1H NMR spectra (400 MHz, 298 K, D_2O) of (a) **G2**, (b) **CWP[5]L + G2** and (c) **CWP[5]L**. Concentrations of host and guest are all 4.0 mM.

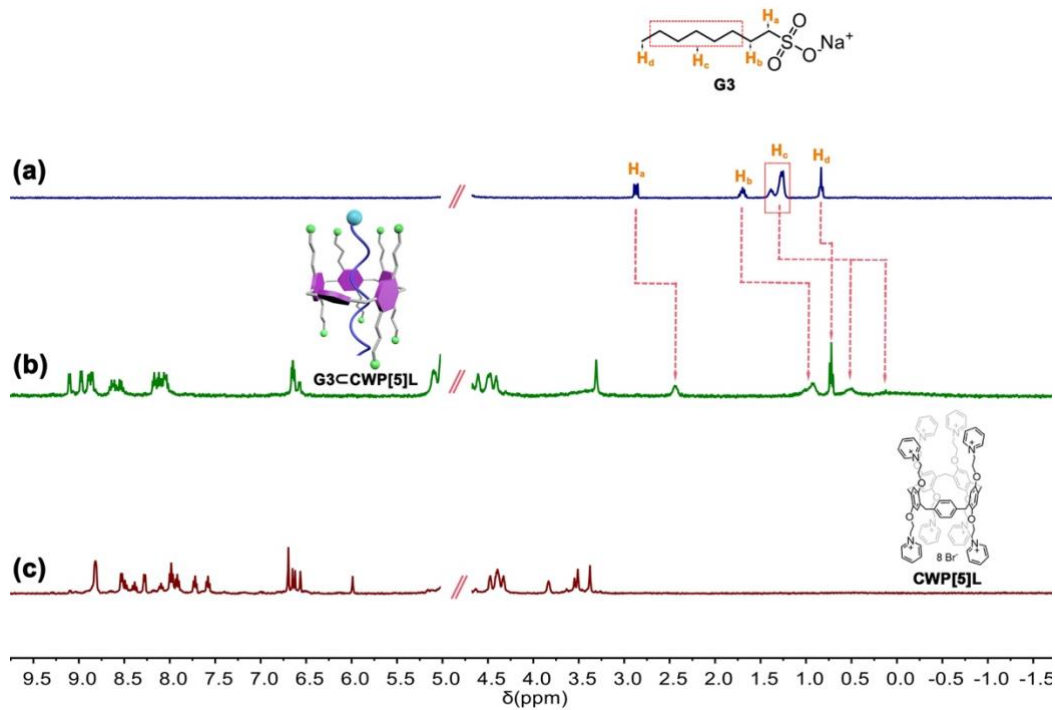


Figure S8. (a) ^1H NMR spectra (400 MHz, 298 K, D_2O) of (a) **G3**, (b) **CWP[5]L + G3** and (c) **CWP[5]L**. Concentrations of host and guest are all 4.0 mM.

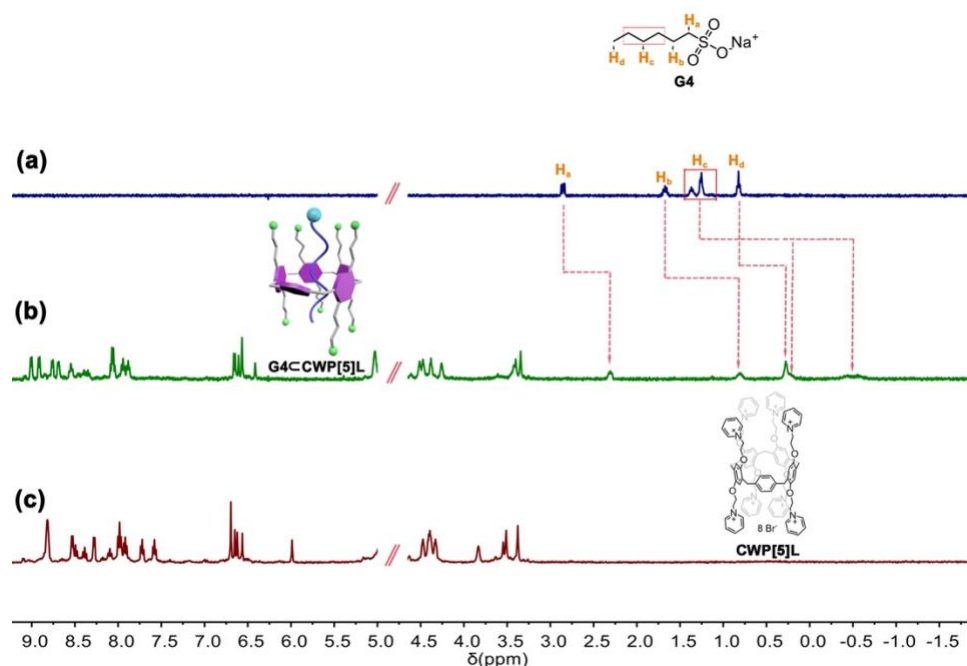


Figure S9. (a) ^1H NMR spectra (400 MHz, 298 K, D_2O) of (a) **G4**, (b) **CWP[5]L** + **G4** and (c) **CWP[5]L**. Concentrations of host and guest are all 4.0 mM.

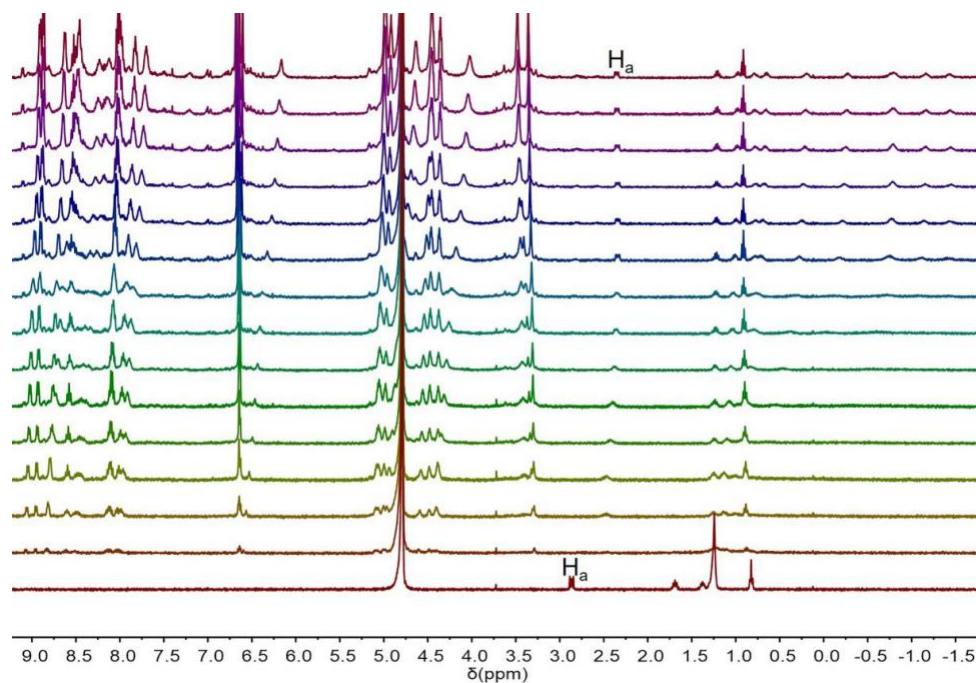


Figure S10. Partial ^1H NMR spectra (400 MHz, D_2O , 293 K) of **G1** at a concentration of 1 mM upon titration of **CWP[5]L**. From bottom to top, the concentration of **CWP[5]L** was 0, 0.25, 0.50, 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00, 3.50, 4.00, 4.50 and 5.00 mM, respectively.

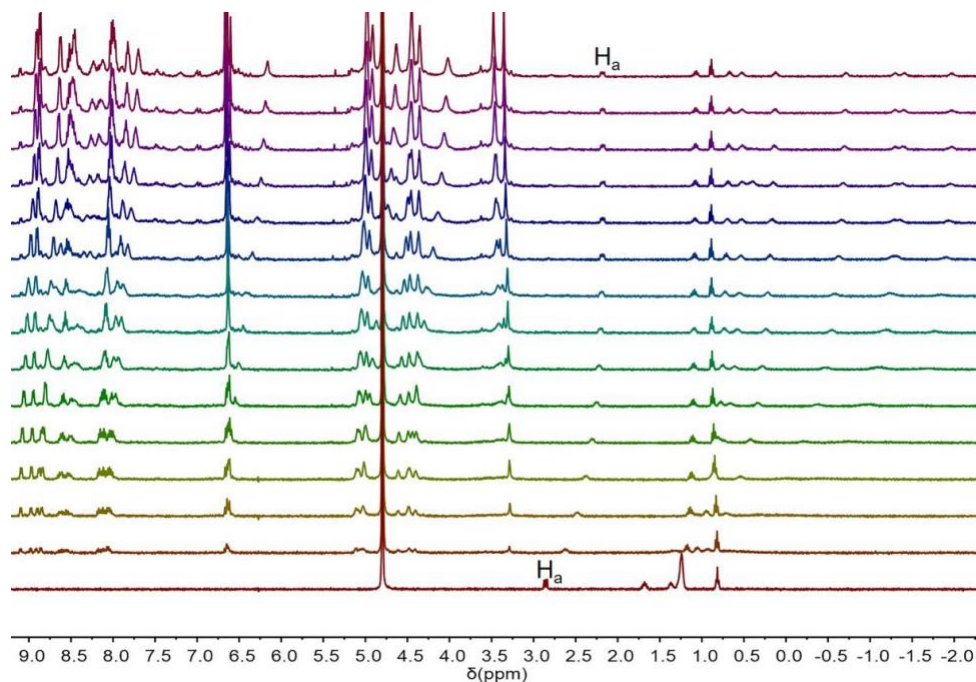


Figure S11. Partial ^1H NMR spectra (400 MHz, D_2O , 293 K) of **G2** at a concentration of 1 mM upon titration of **CWP[5]L**. From bottom to top, the concentration of **CWP[5]L** was 0, 0.25, 0.50, 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00, 3.50, 4.00, 4.50 and 5.00 mM, respectively.

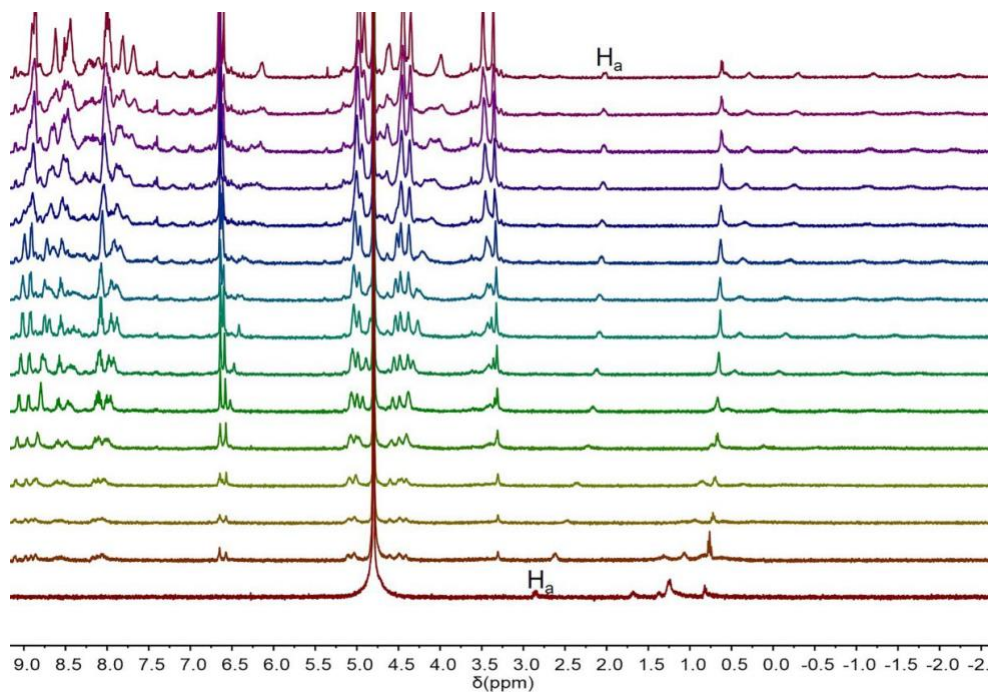


Figure S12. Partial ^1H NMR spectra (400 MHz, D_2O , 293 K) of **G3** at a concentration of 1 mM upon titration of **CWP[5]L**. From bottom to top, the concentration of **CWP[5]L** was 0, 0.25, 0.50, 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00, 3.50, 4.00, 4.50 and 5.00 mM, respectively.

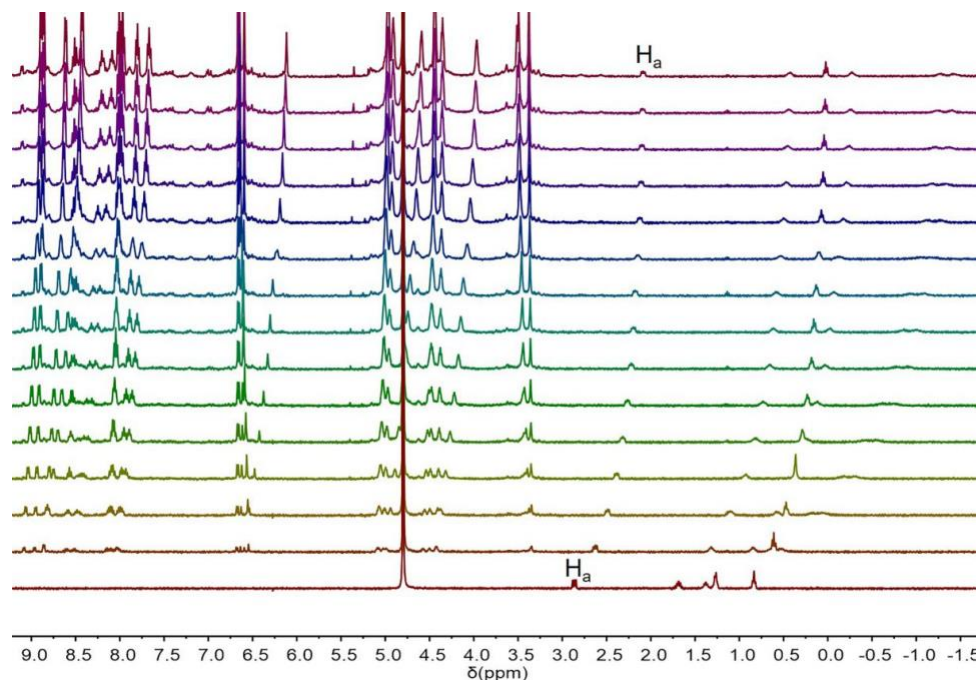


Figure S13. Partial ^1H NMR spectra (400 MHz, D_2O , 293 K) of **G4** at a concentration of 1 mM upon titration of **CWP[5]L**. From bottom to top, the concentration of **CWP[5]L** was 0, 0.25, 0.50, 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00, 3.50, 4.00, 4.50 and 5.00 mM, respectively.

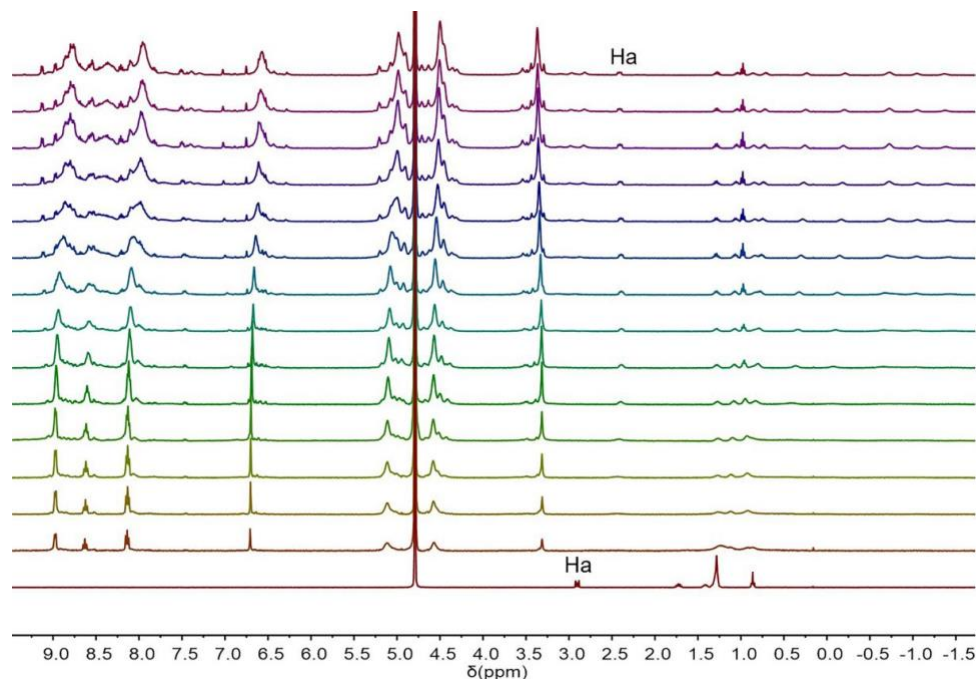


Figure S14. Partial ^1H NMR spectra (400 MHz, D_2O , 293 K) of **G1** at a concentration of 1 mM upon titration of **CWP[5]A**. From bottom to top, the concentration of **CWP[5]A** was 0, 0.25, 0.50, 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00, 3.50, 4.00, 4.50 and 5.00 mM, respectively.

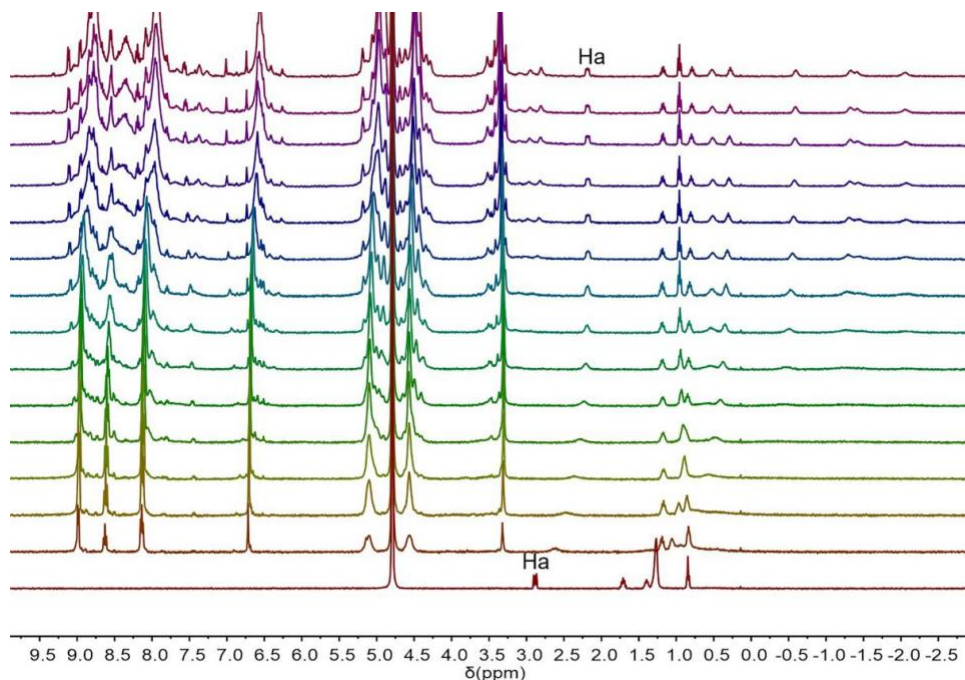


Figure S15. Partial ^1H NMR spectra (400 MHz, D_2O , 293 K) of **G2** at a concentration of 1 mM upon titration of **CWP[5]A**. From bottom to top, the concentration of **CWP[5]A** was 0, 0.25, 0.50, 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00, 3.50, 4.00, 4.50 and 5.00 mM, respectively.

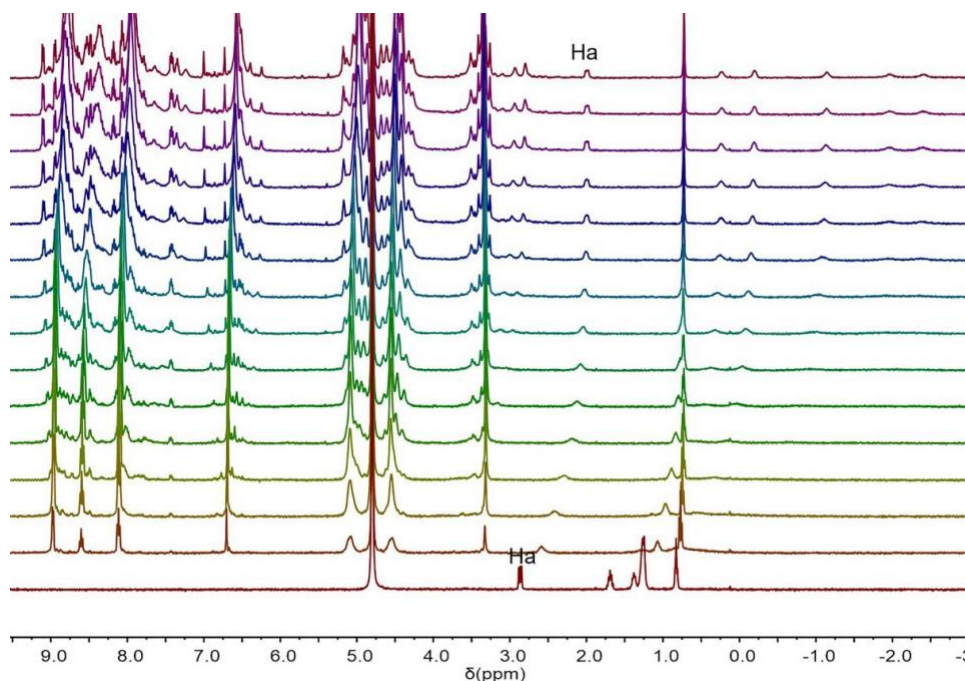


Figure S16. Partial ^1H NMR spectra (400 MHz, D_2O , 293 K) of **G3** at a concentration of 1 mM upon titration of **CWP[5]A**. From bottom to top, the concentration of **CWP[5]A** was 0, 0.25, 0.50, 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00, 3.50, 4.00, 4.50 and 5.00 mM, respectively.

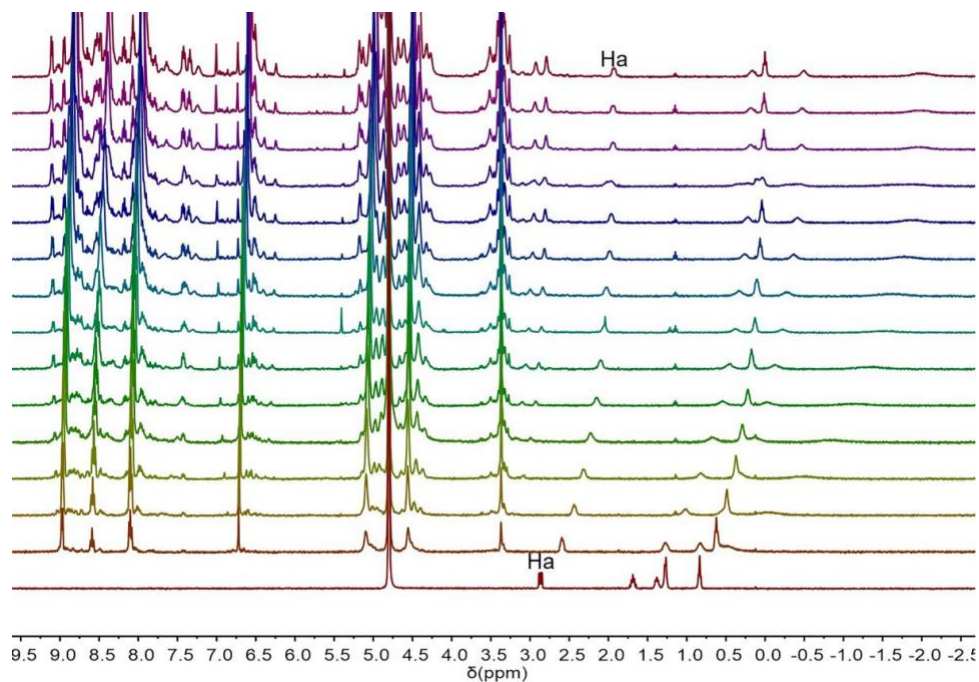


Figure S17. Partial ^1H NMR spectra (400 MHz, D_2O , 293 K) of **G4** at a concentration of 1 mM upon titration of **CWP[5]A**. From bottom to top, the concentration of **CWP[5]A** was 0, 0.25, 0.50, 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00, 3.50, 4.00, 4.50 and 5.00 mM, respectively.