

Site-selective solvation-induced conformational switching of heteroleptic heteronuclear Tb(III) and Y(III) trisphthalocyaninates for the control of their magnetic anisotropy

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ELECTRONIC SUPPORTING INFORMATION

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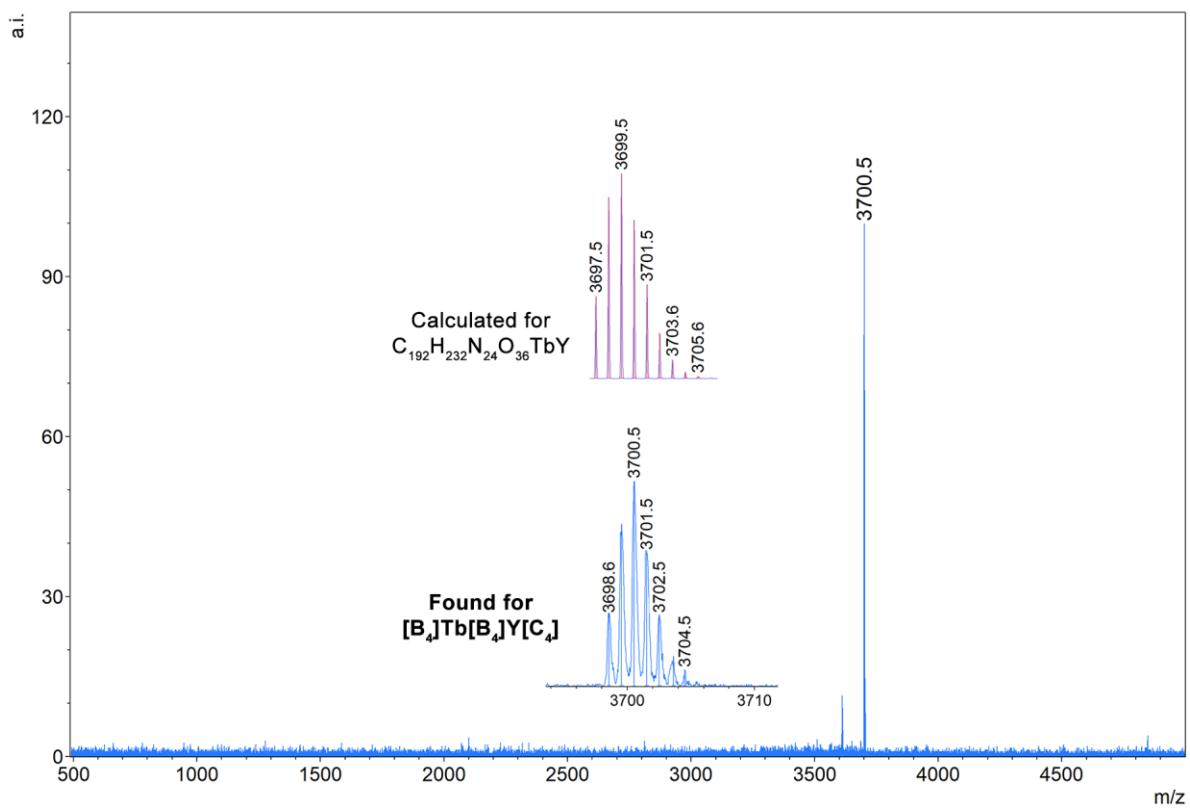


Figure S1. MALDI TOF mass-spectrum of $[B_4]Tb[B_4]Y[C_4]$.

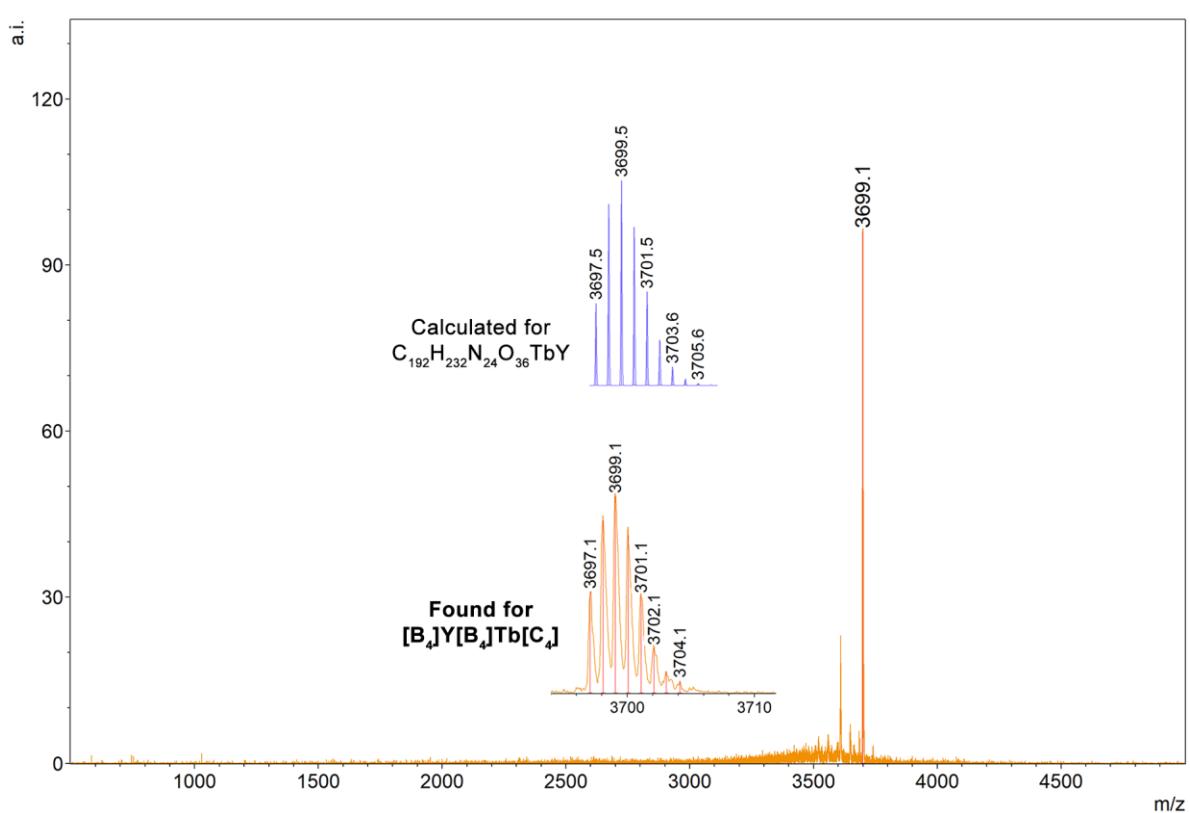
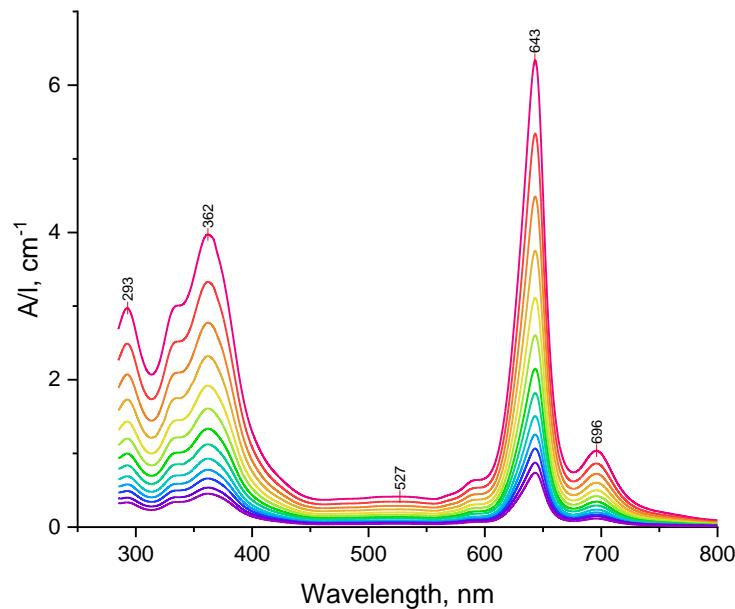


Figure S2. MALDI TOF mass-spectrum of $[B_4]Y[B_4]Tb[C_4]$.

(a)



(b)

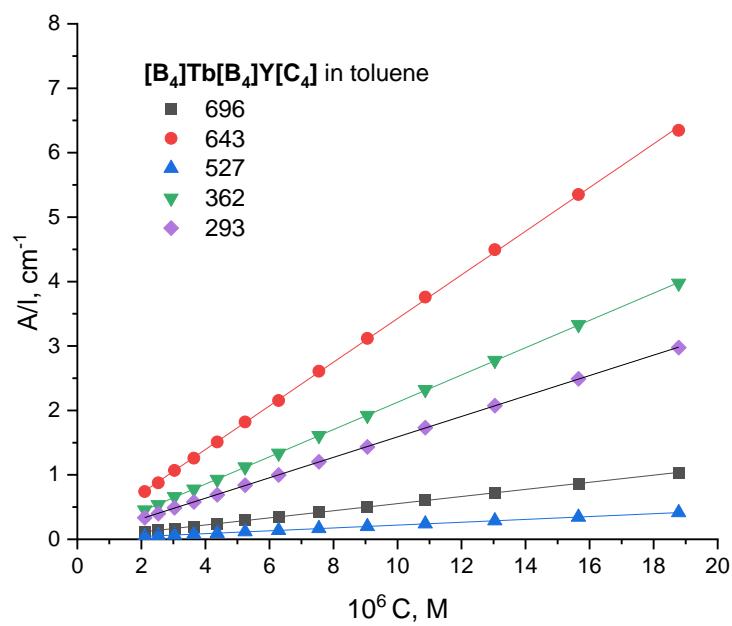
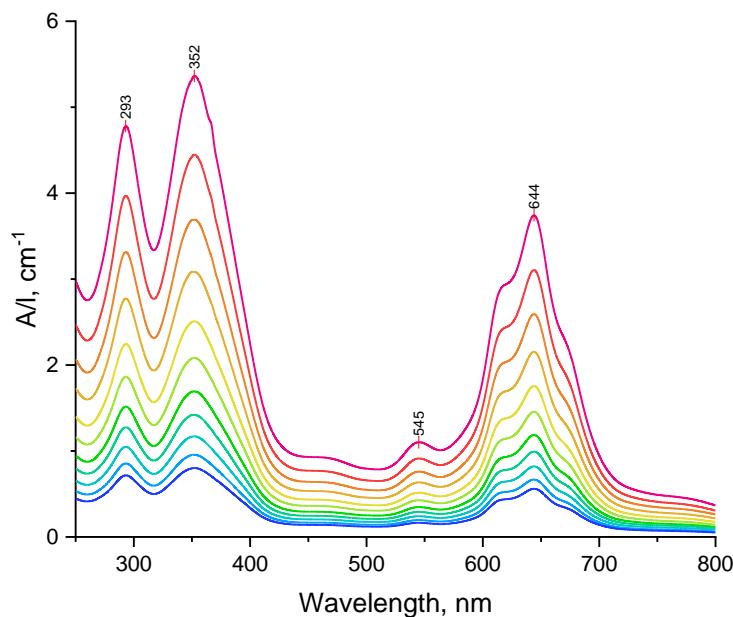


Figure S3. (a) Concentration-dependent UV-Vis spectra of $[B_4]Tb[B_4]Y[C_4]$ in toluene; (b) Bouguer-Lambert-Beer plots of A/l vs. C for $[B_4]Tb[B_4]Y[C_4]$ in toluene.

(a)



(b)

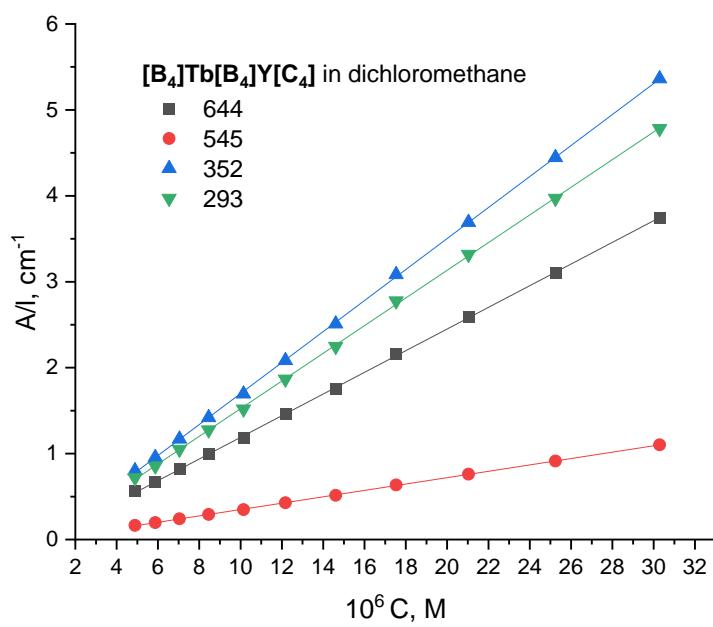
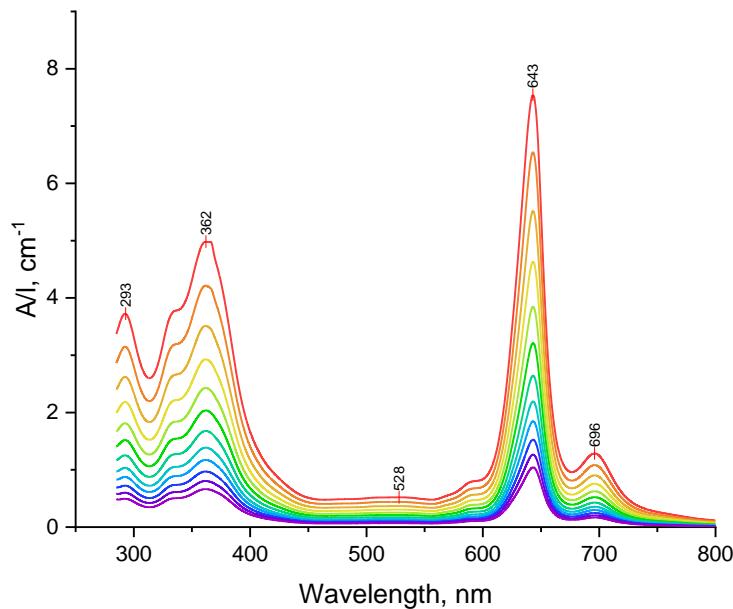


Figure S4. (a) Concentration-dependent UV-Vis spectra of $[B_4]Tb[B_4]Y[C_4]$ in dichloromethane; (b) Bouguer-Lambert-Beer plots of A/l vs. C for $[B_4]Tb[B_4]Y[C_4]$ in dichloromethane.

(a)



(b)

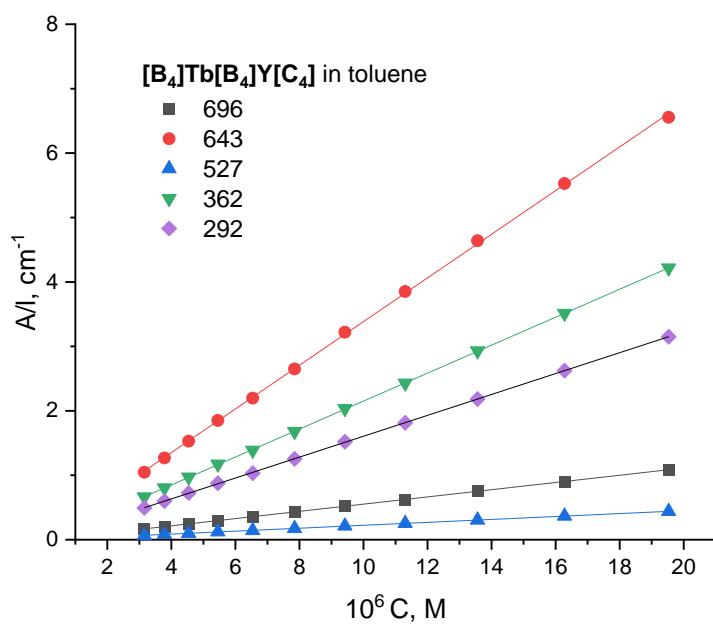
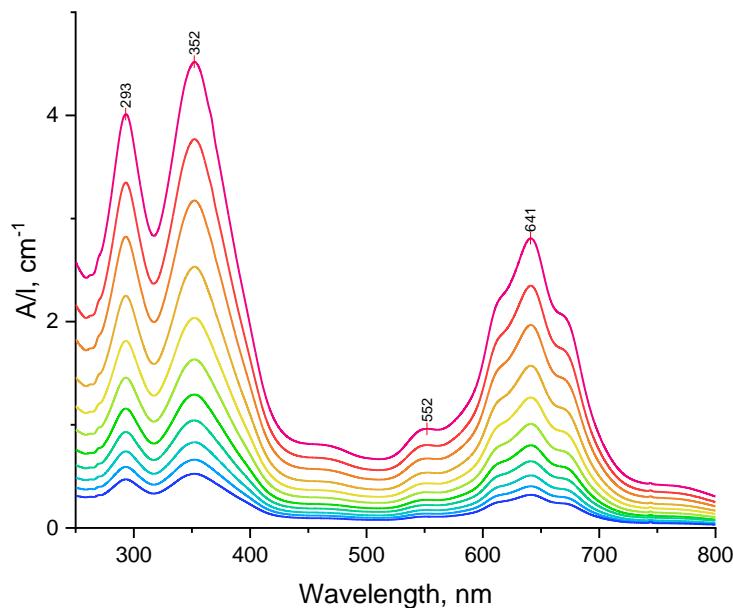


Figure S5. (a) Concentration-dependent UV-Vis spectra of $[B_4]Y[B_4]Tb[C_4]$ in toluene; (b) Bouguer-Lambert-Beer plots of A/l vs. C for $[B_4]Y[B_4]Tb[C_4]$ in toluene.

(a)



(b)

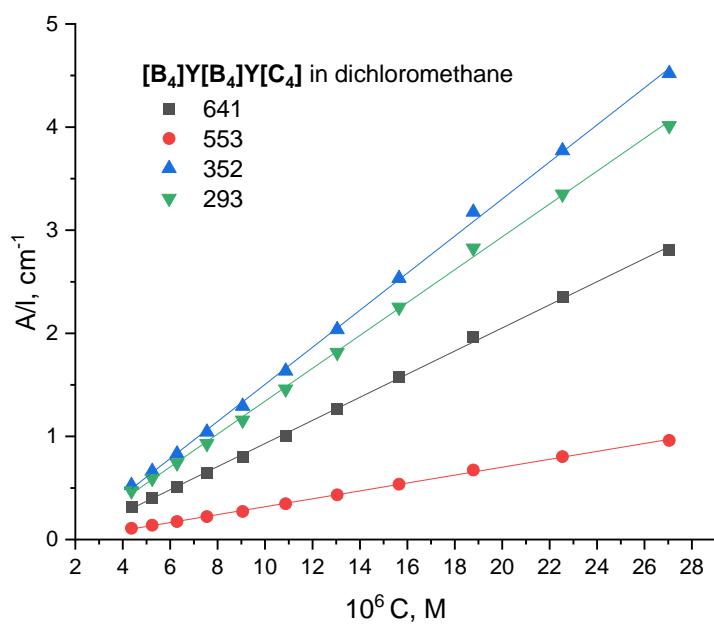


Figure S6. (a) Concentration-dependent UV-Vis spectra of $[B_4]Y[B_4]Tb[C_4]$ in dichloromethane; (b) Bouguer-Lambert-Beer plots of A/l vs. C for $[B_4]Y[B_4]Tb[C_4]$ in dichloromethane.

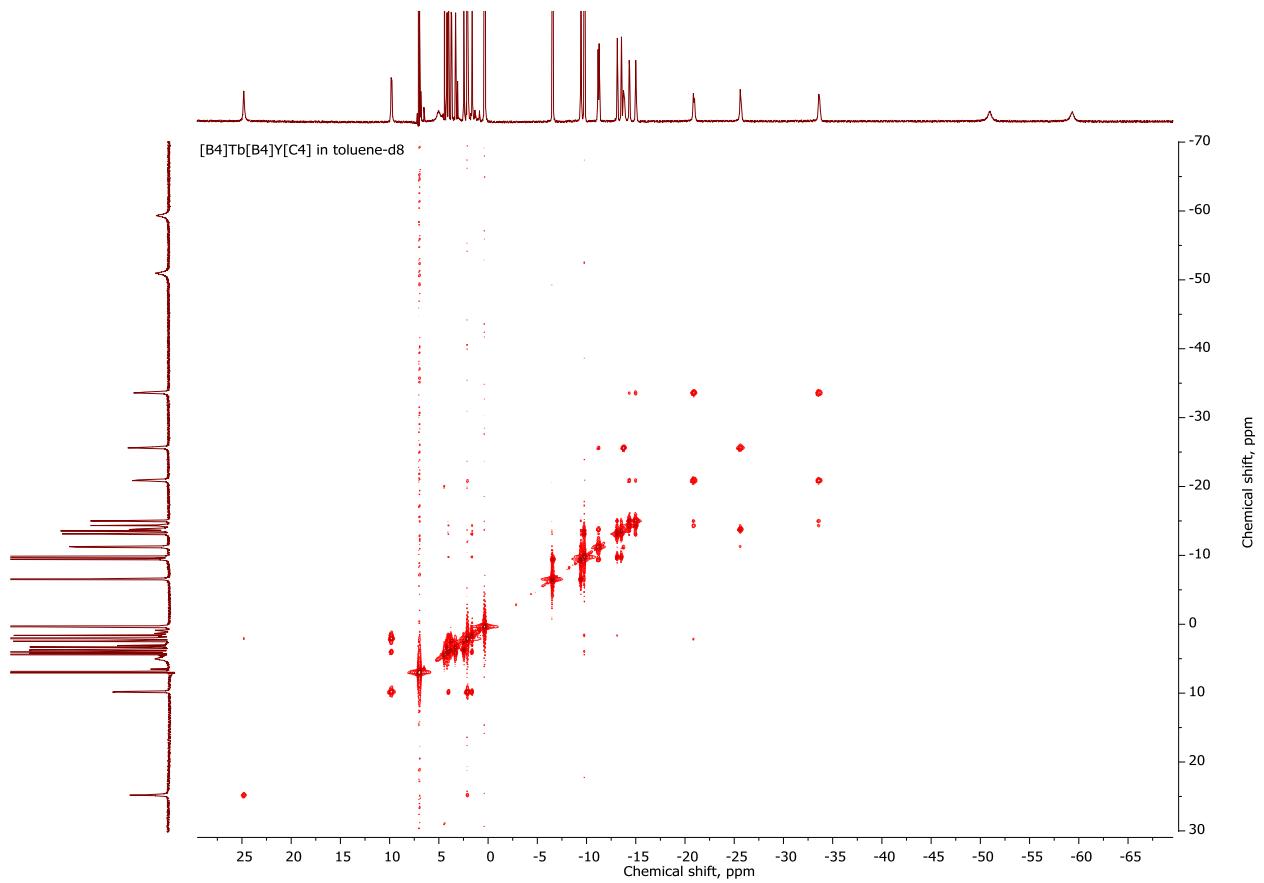


Figure S7. ^1H - ^1H COSY of $[\text{B}_4]\text{Tb}[\text{B}_4]\text{Y}[\text{C}_4]$ in toluene- d_8 .

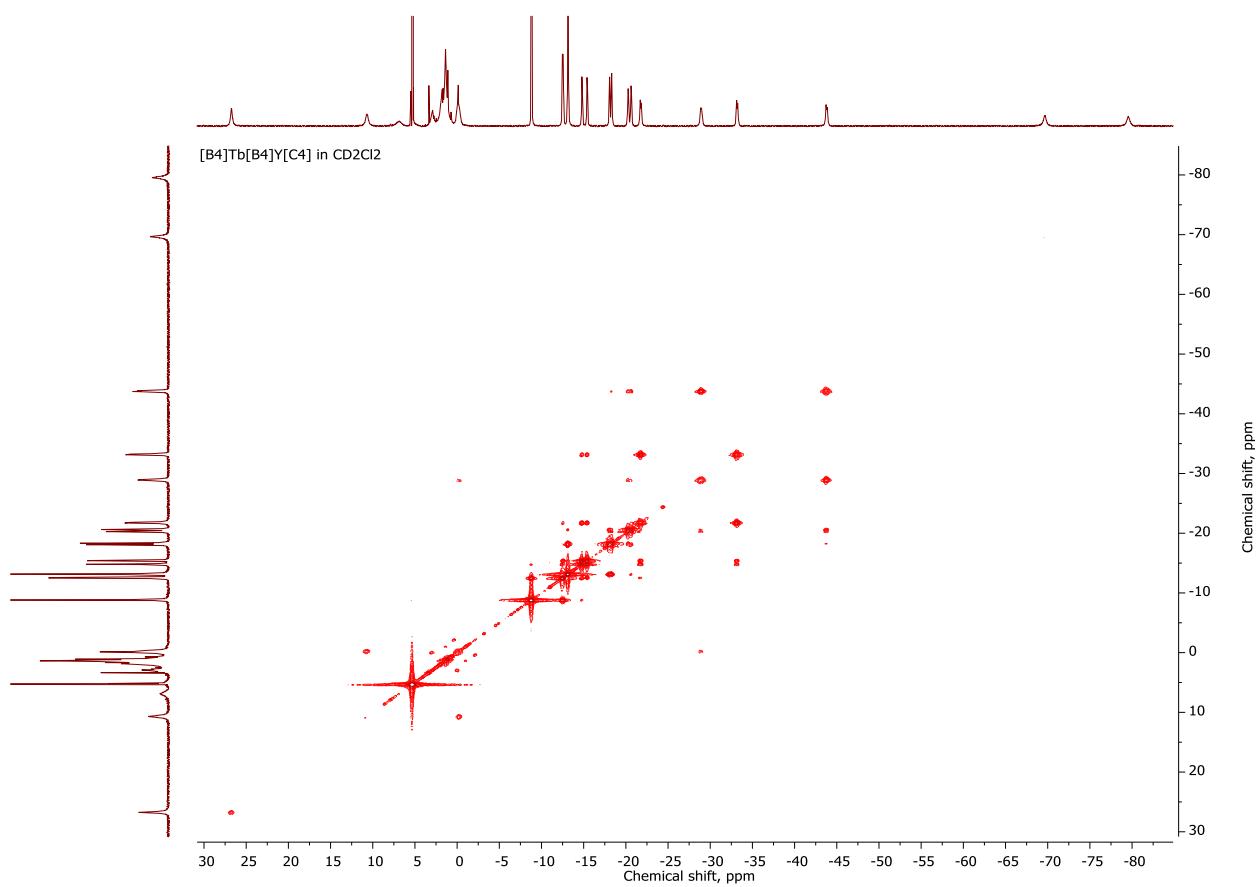


Figure S8. ¹H-¹H COSY of [B₄]Tb[B₄]Y[C₄] in CD₂Cl₂.

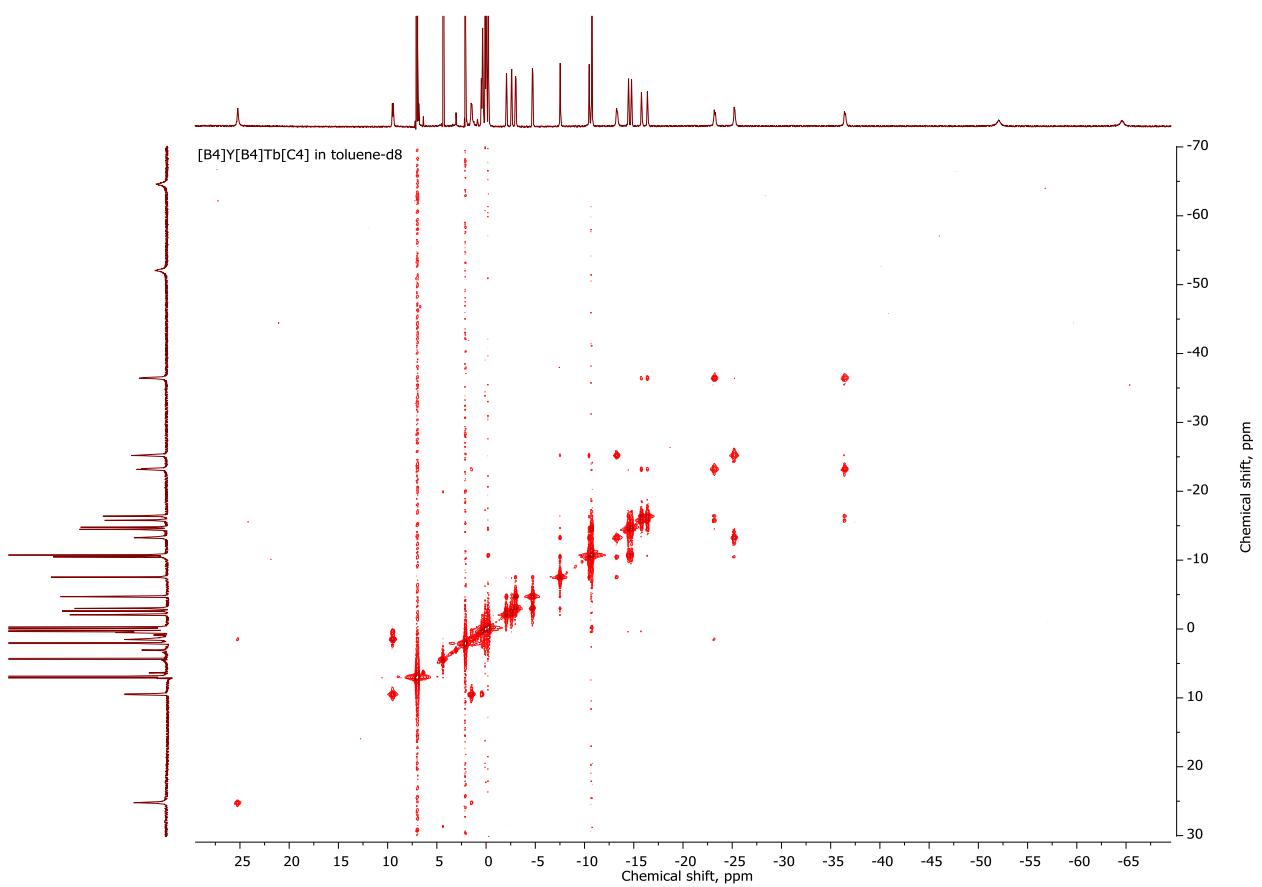


Figure S9. ^1H - ^1H COSY of $[\text{B}_4]\text{Y}[\text{B}_4]\text{Tb}[\text{C}_4]$ in toluene- d_8 .

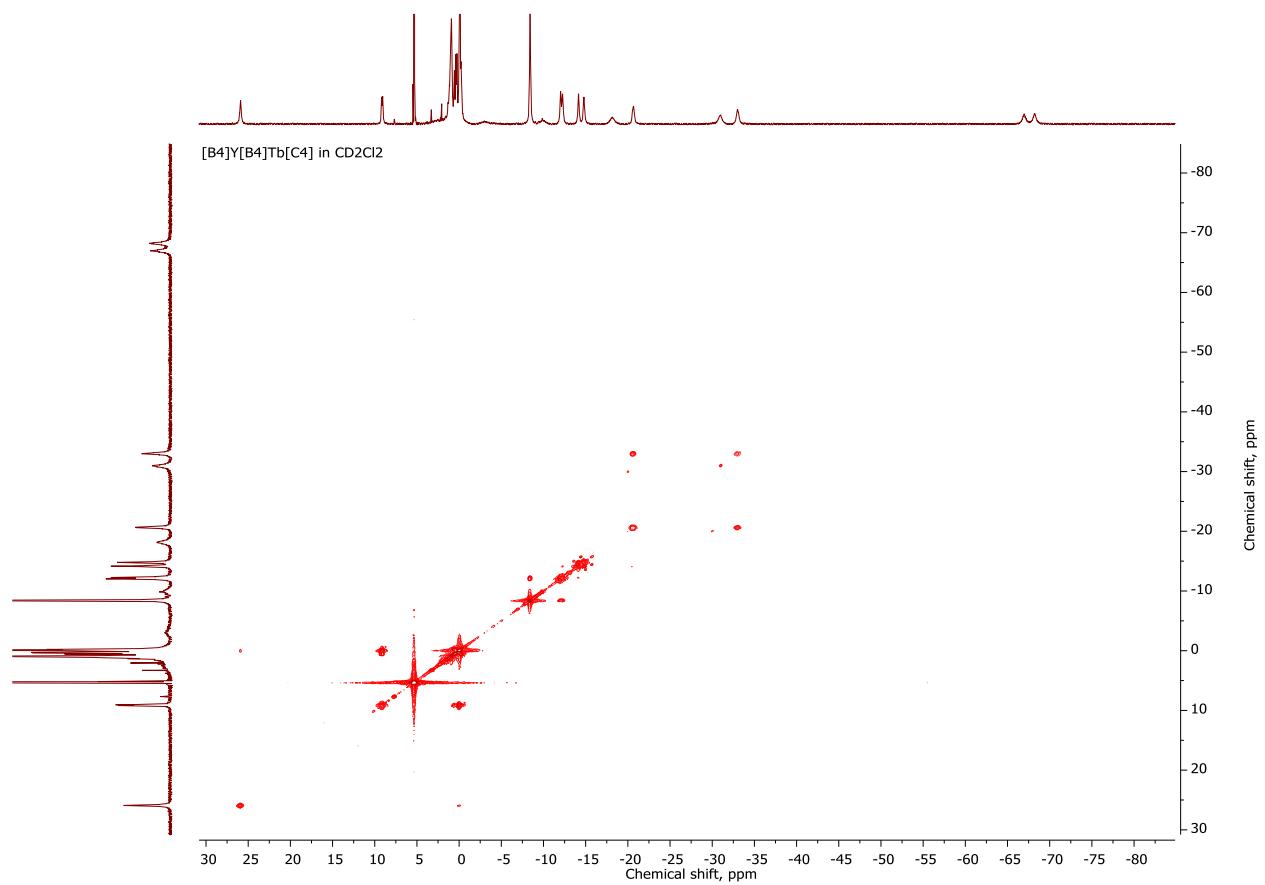


Figure S10. ^1H - ^1H COSY of $[\text{B}_4]\text{Y}[\text{B}_4]\text{Tb}[\text{C}_4]$ in CD_2Cl_2 .