Electronic Supplementary Information (ESI)

Control of spin-spin exchange interactions in polynitroxides through inclusion within γ-cyclodextrin

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Fig. S1 EPR titration spectra of T2 with γ -CD; (a) [T2]/[γ -CD] = 1:0, (b) [T2]/[γ -CD] = 1:4 and [T2]/[γ -CD] = 1:20; [T2] = 0.1 mM at 295 K.



Fig. S2 EPR titration spectra of T3 with γ -CD; (a) [T3]/[γ -CD] = 1:0, (b) [T3]/[γ -CD] = 1:2, (c) [T3]/[γ -CD] = 1:4 and (d)) [T3]/[γ -CD] = 1:10; [T3] = 0.1 mM at 295 K.



Fig. S3 EPR spectra of T3 in 1:1 MeOH/water at different temperatures.



Fig. S4 Arrhenius plot for T2 in presence of 20 equivalent of γ -CD. ($t_b = t_{close}$; $t_a = t_{far}$)



Fig. S5 Arrhenius plot for T3 in (a) 1:1 MeOH/water and (b) in presence of 20 equivalent γ -CD. ($t_b = t_{close}$; $t_a = t_{far}$)