Electronic Supplementary Material (ESI) for Dalton Transactions

Supporting Information

Fluorescent colour modulation in Zn(II)-based metallo-supramolecular polymer films by electronic-state control of the ligand

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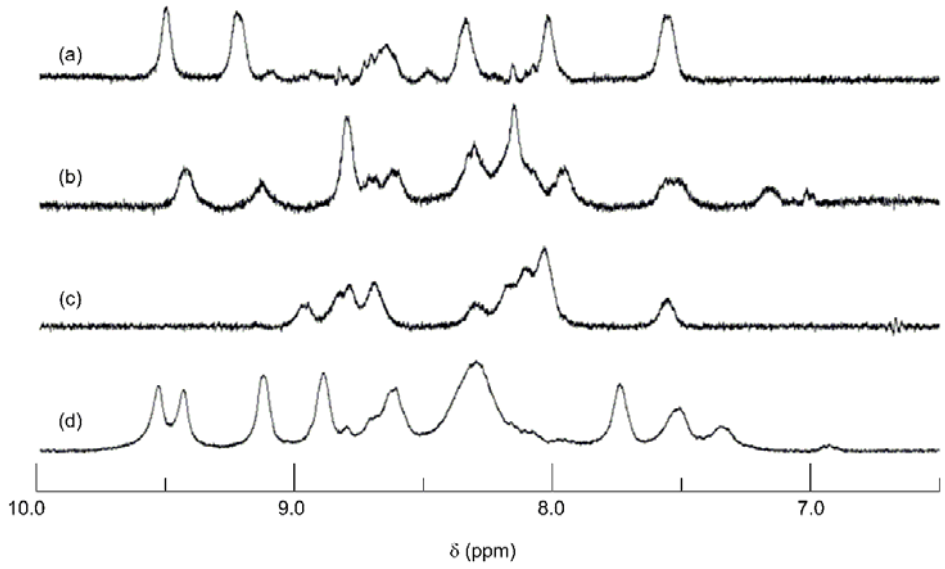

Fig. S1 ^{1}H-NMR spectra of (a) **poly1**, (b) **poly2**, (c) **poly3** and (d) **poly4** in DMSO-d_6 (300 MHz, TMS).

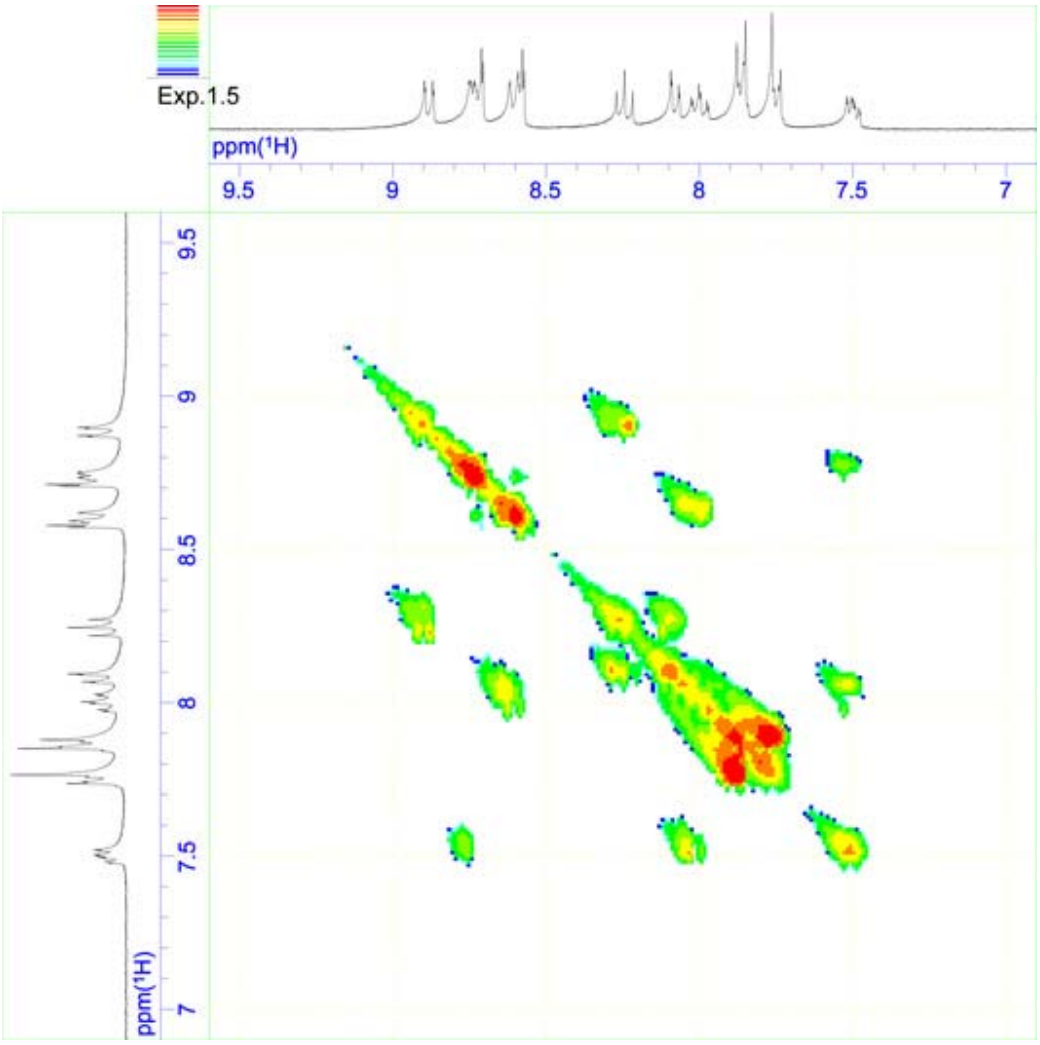

Fig. S2 ^{1}H-^{1}H COSY NMR spectrum of CN-tpy in DMSO-d_6 (300 MHz, TMS).

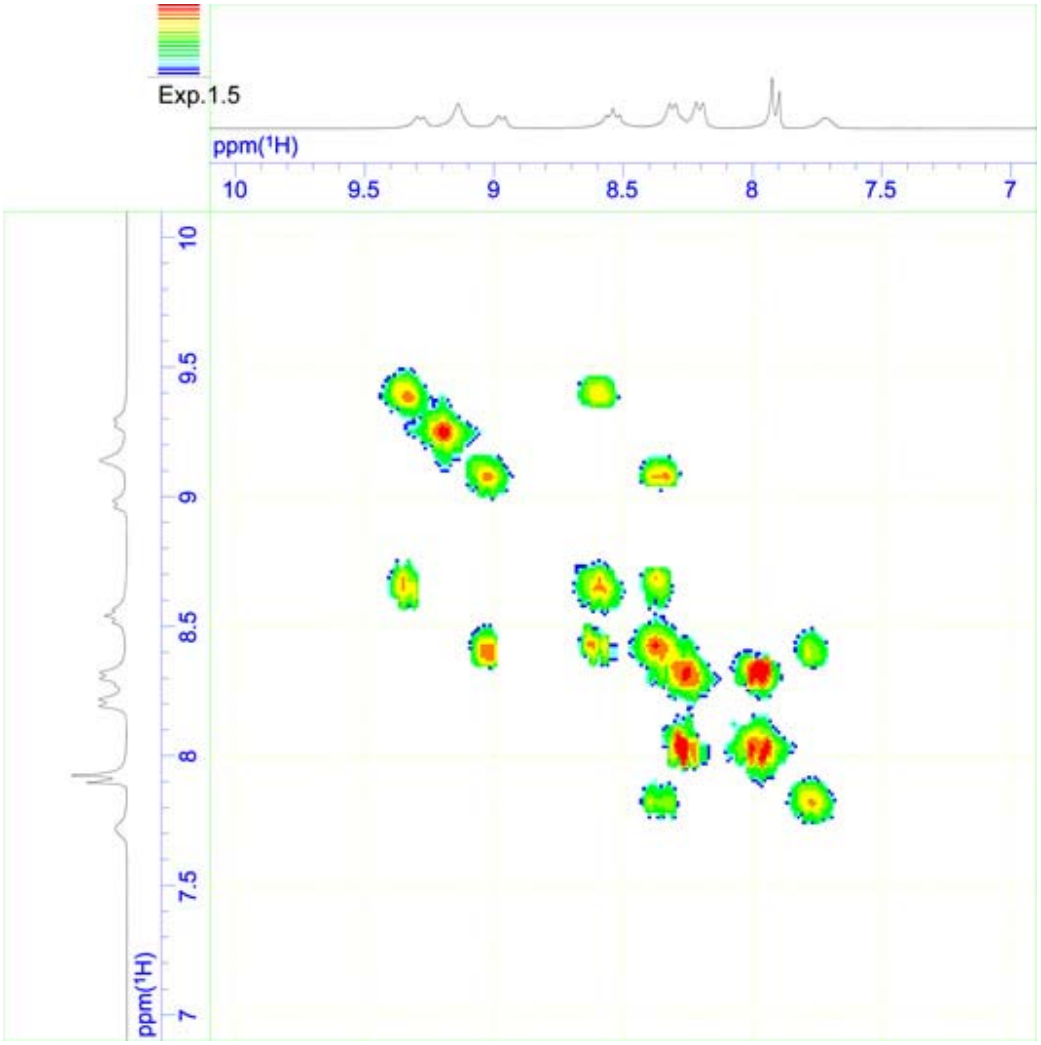

Fig. S3 ^{1}H-^{1}H COSY NMR spectrum of CN-tpy and $Zn(ClO_4)_2$ (CN-tpy:$Zn(ClO_4)_2$ = 2:3) in DMSO-d_6 (300 MHz, TMS).

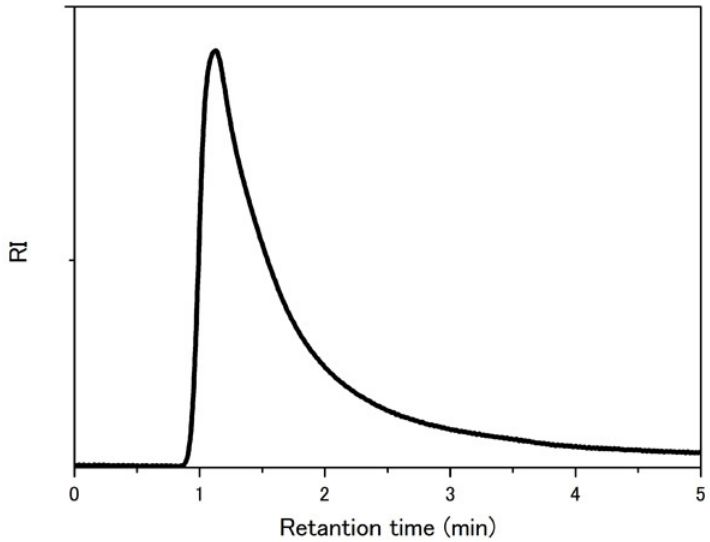

Fig. S4 The RI spectrum of **poly1** in the viscometry-RALLS measurement.

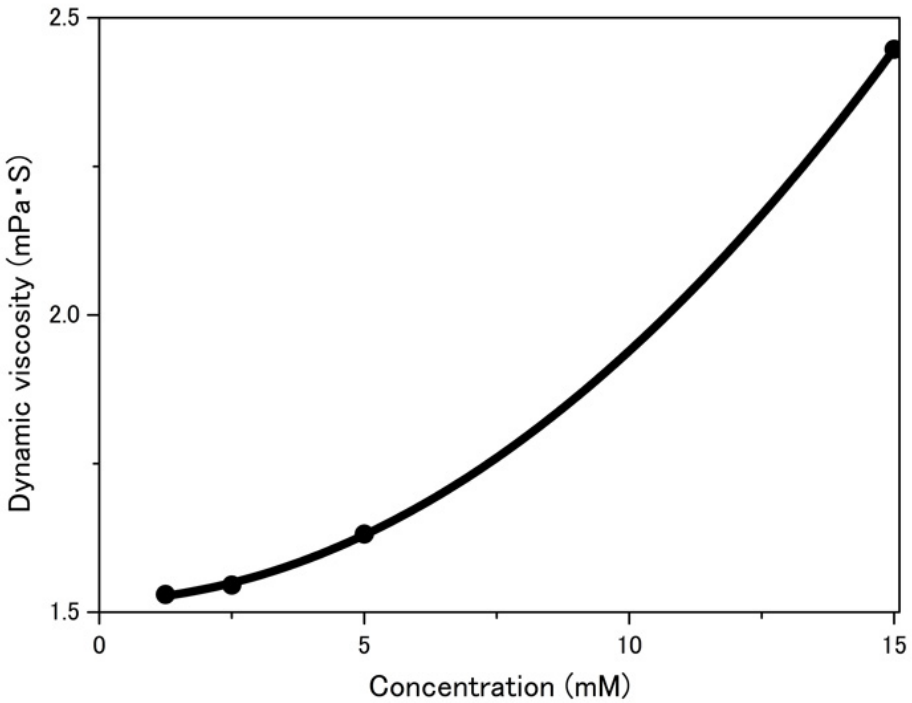

Fig. S5 The dynamic viscosity of DMSO solutions of **poly1** with different concentrations at room temperature.

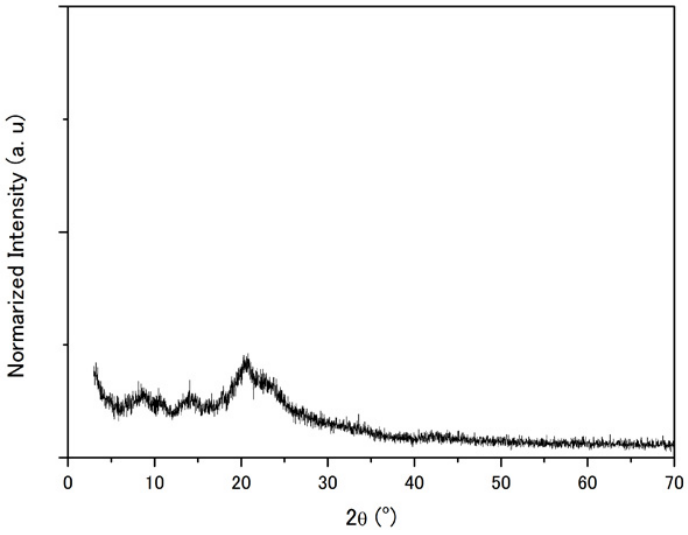

Fig. S6 The powder XRD pattern of **poly1** at room temperature.