

Functional Oligo(vinyl acetate) Bearing Bipyridine Moieties by RAFT Polymerization and Extraction of Metal Ions in Supercritical Carbon Dioxide

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Supporting information

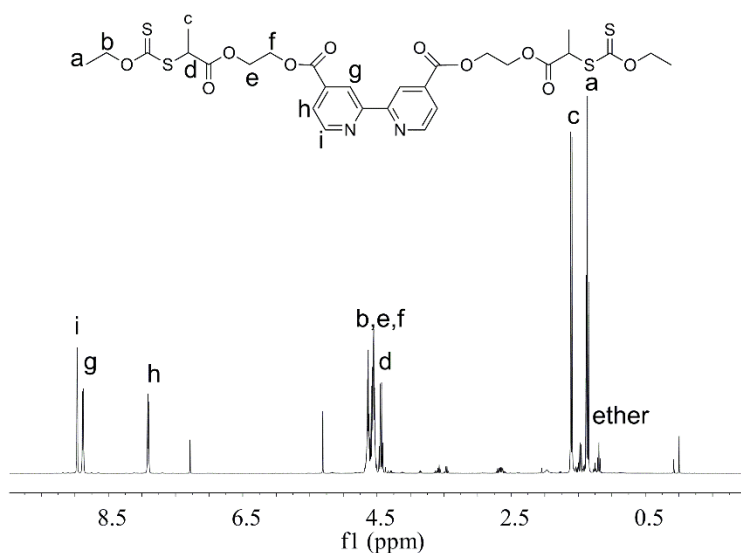


Fig. S1 ¹H NMR (CDCl₃) Spectra of X-bpy-X

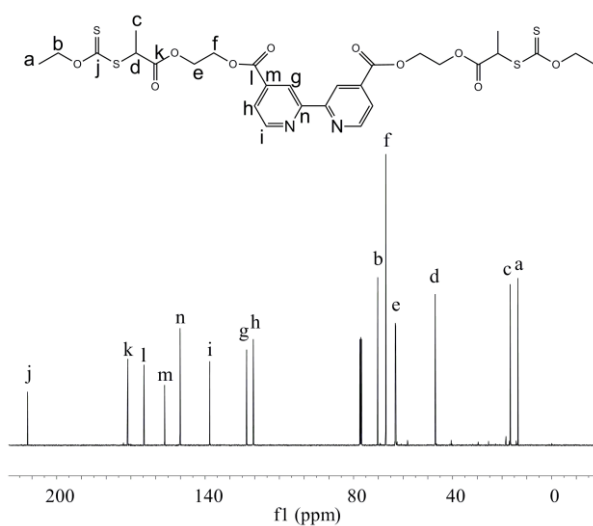


Fig. S2 ¹³C NMR (CDCl₃) Spectra of X-bpy-X

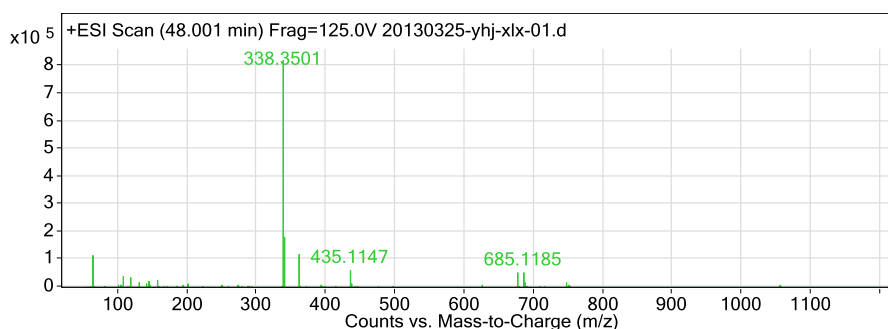


Fig. S3 HRMS (ESI+) spectrum of the X-bpy-X RAFT agent

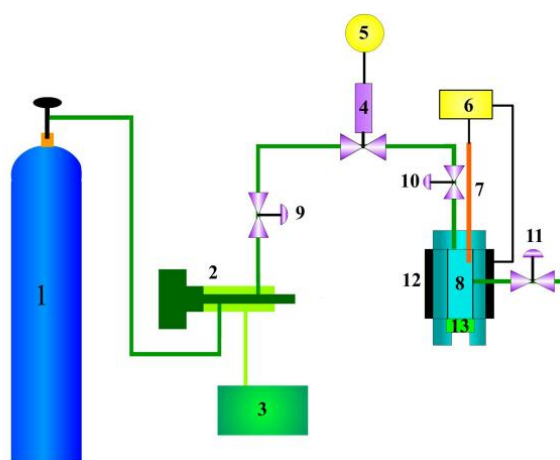


Fig. S4 Schematic of Solubility equipment (1, cylinder, 2, CO₂ syringe pump, 3, cooling bath, 4, digital pressure transducer; 5, pressure gauge, 6, temperature controller, 7, thermocouple, 8, autoclave, 9, 10, 11, valve, 12, heating tape, 13, view windows (sapphire)).

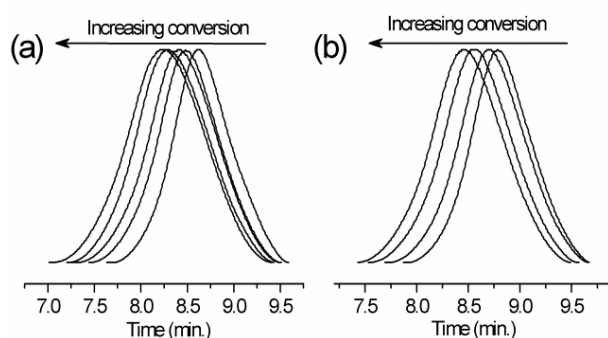


Fig. S5 GPC traces of OVAc-bpy formed in the presence of X-bpy-X (a) VAc/X-bpy-X/AIBN = 110/1/0.4, (b) VAc/X-bpy-X/AIBN = 110/1/0.2 in 50% (w/w) THF at 65 °C.