Supporting Information

New fluorescence labeling isotactic polypropylenes as a tracer: a proof of concept

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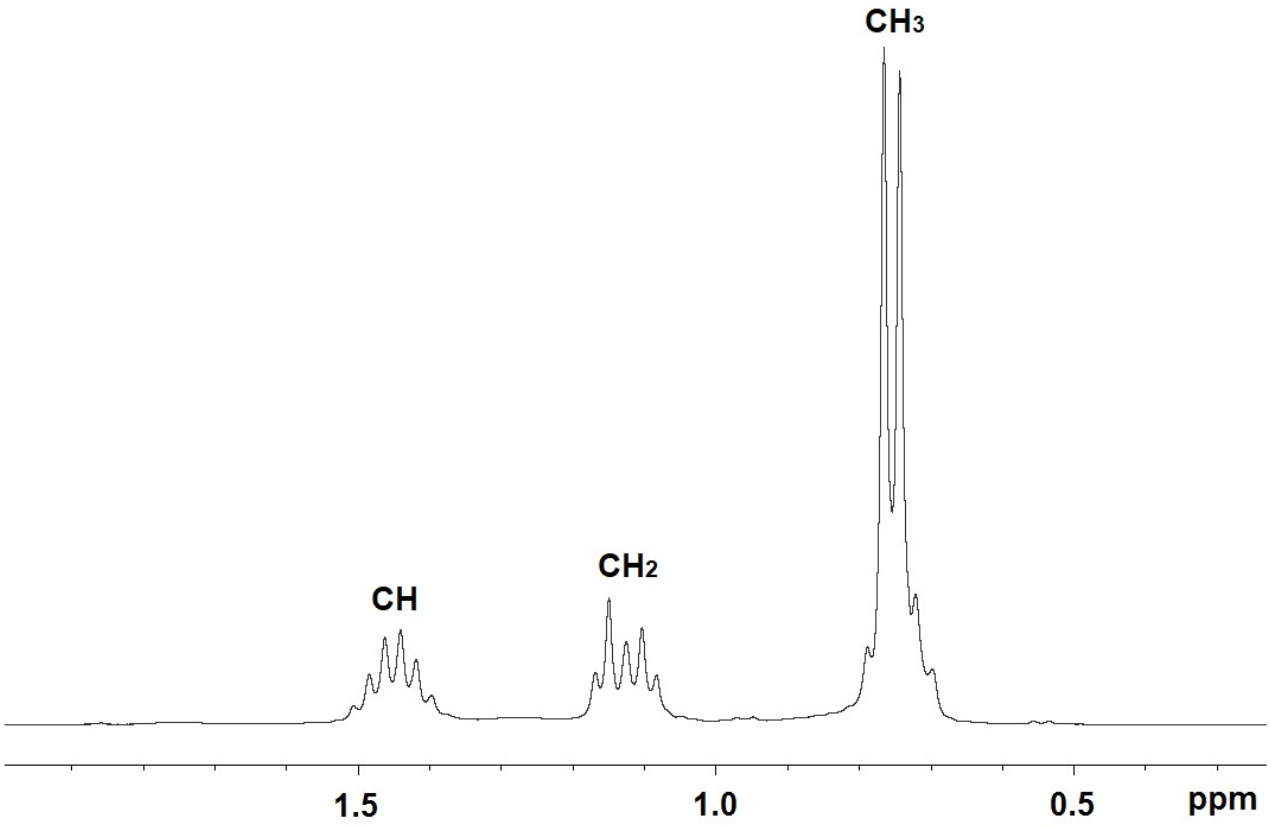
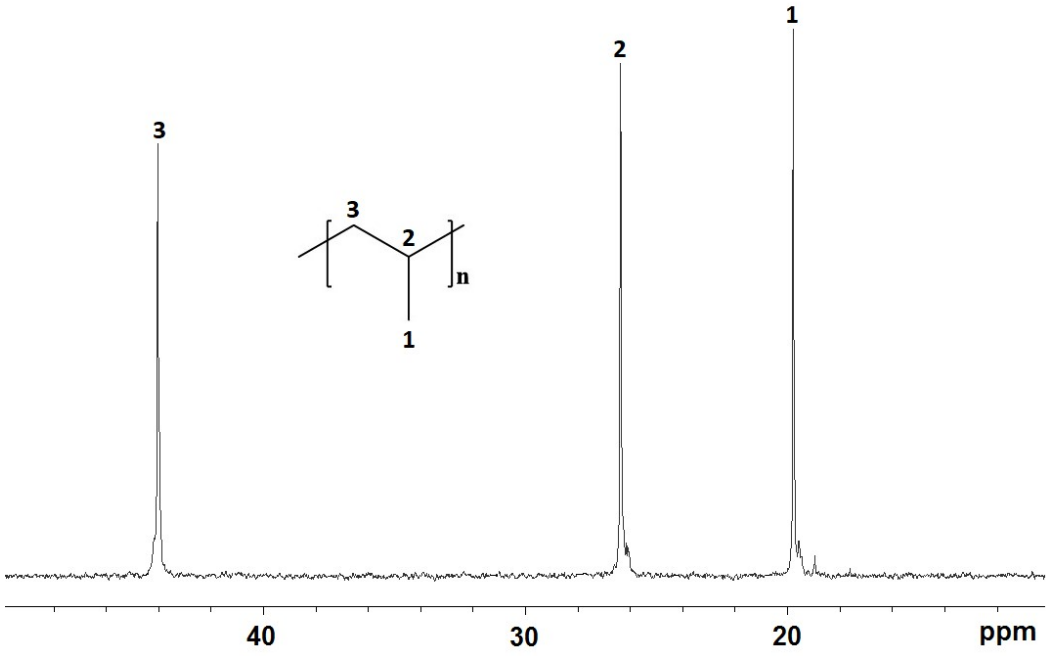
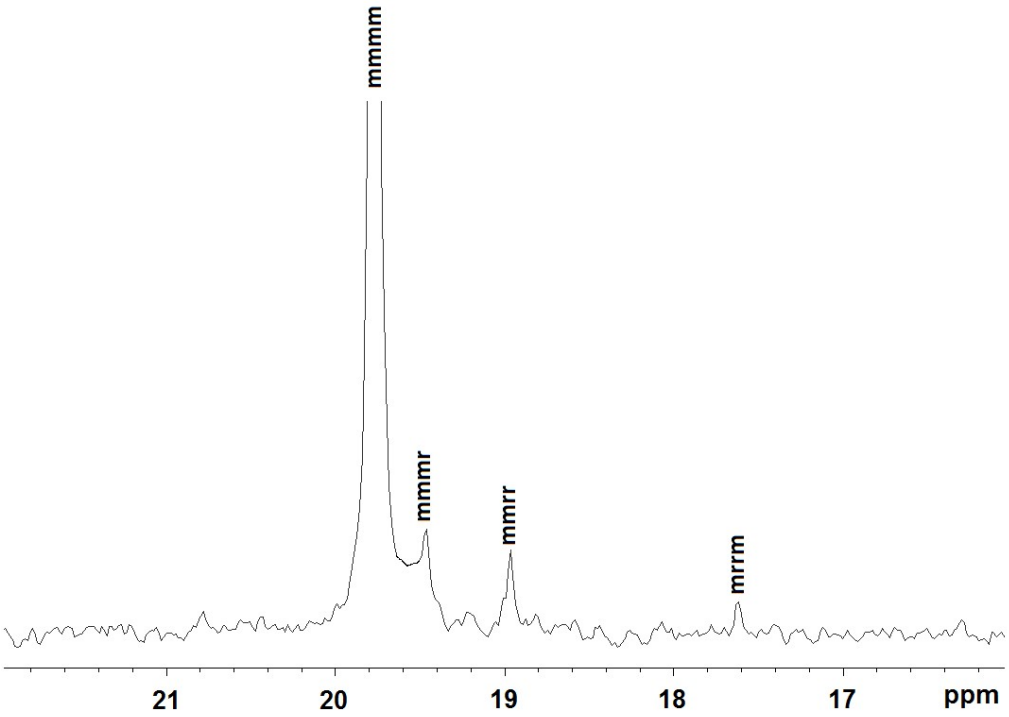


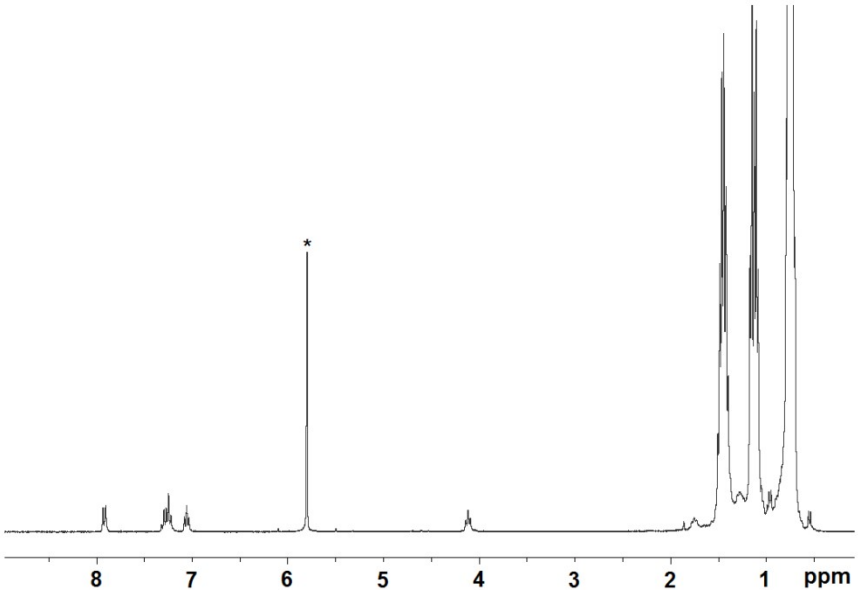
S1. ^{1}H NMR spectrum of *i*-PP (run **1**) (TCDE solvent, HMDS scale, 100 °C).



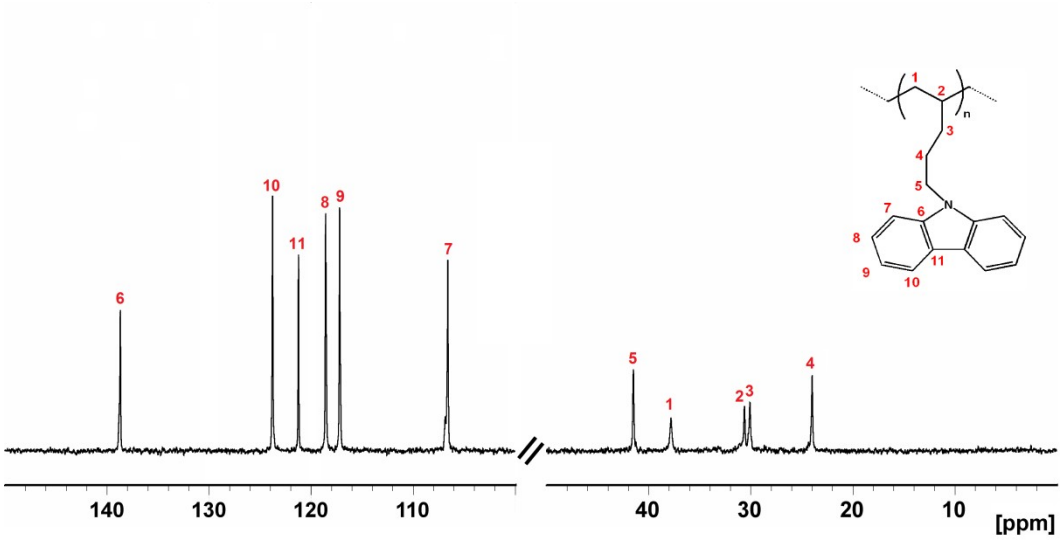
S2. ^{13}C NMR spectrum of *i*-PP (run **1**) (TCDE solvent, HMDS scale, 100 °C).



S3. Methyl region of ^{13}C NMR spectrum of *i*-PP (run **1**) (TCDE solvent, HMDS scale, 100 °C).



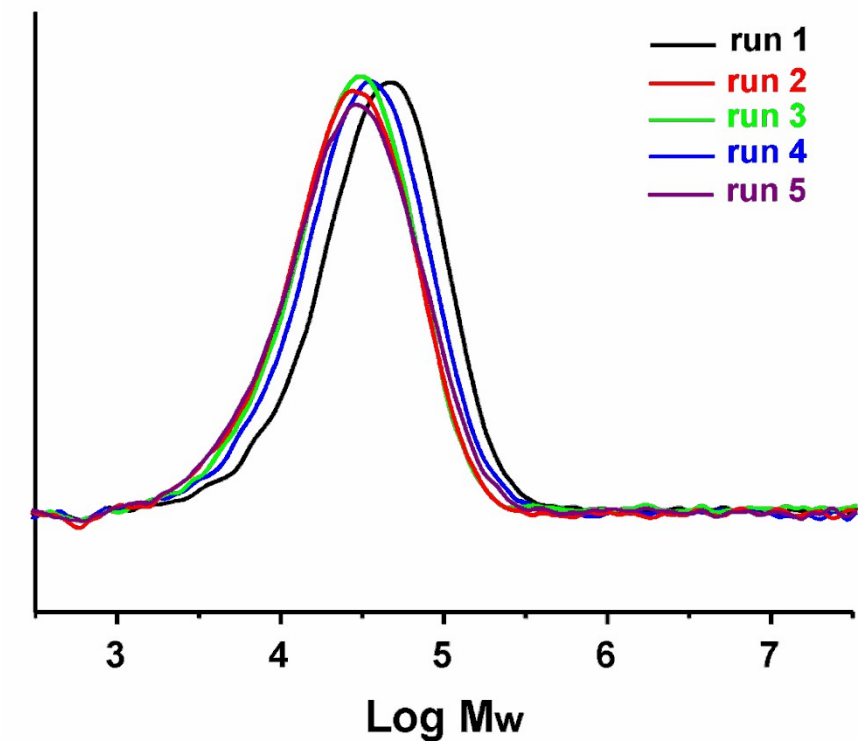
S4. ^{1}H NMR spectrum of P(P-*co*-PK) (run **2**) (TCDE solvent, HMDS scale, 100 °C).



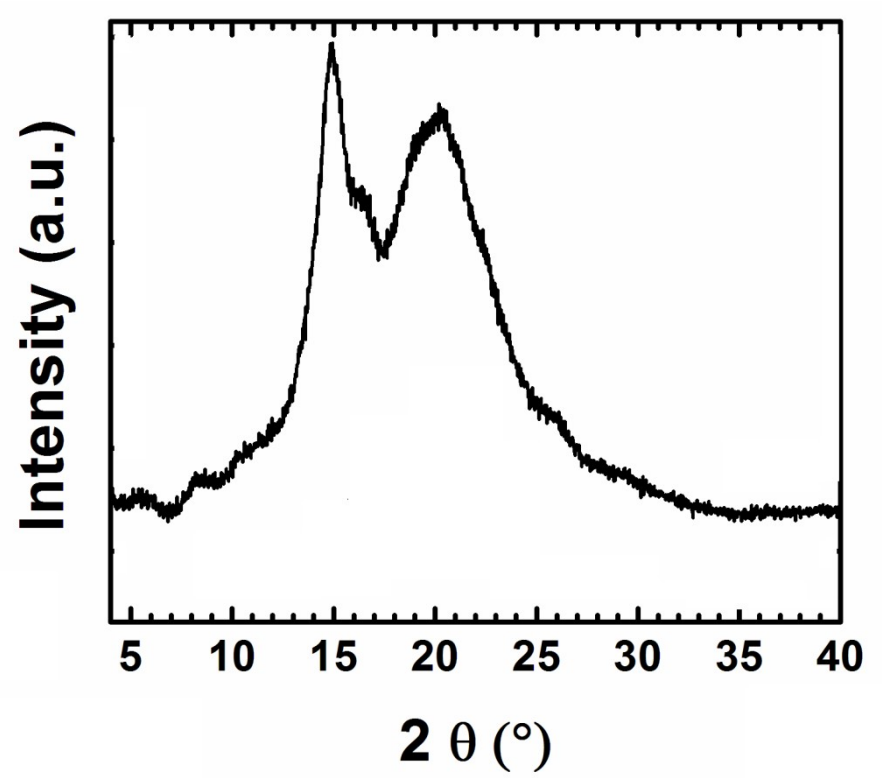
S5. ^{13}C NMR spectrum of PPK (run **5**) (TCDE solvent, HMDS scale, 100 °C).

Table S1. ^{13}C NMR Assignments of Run 5

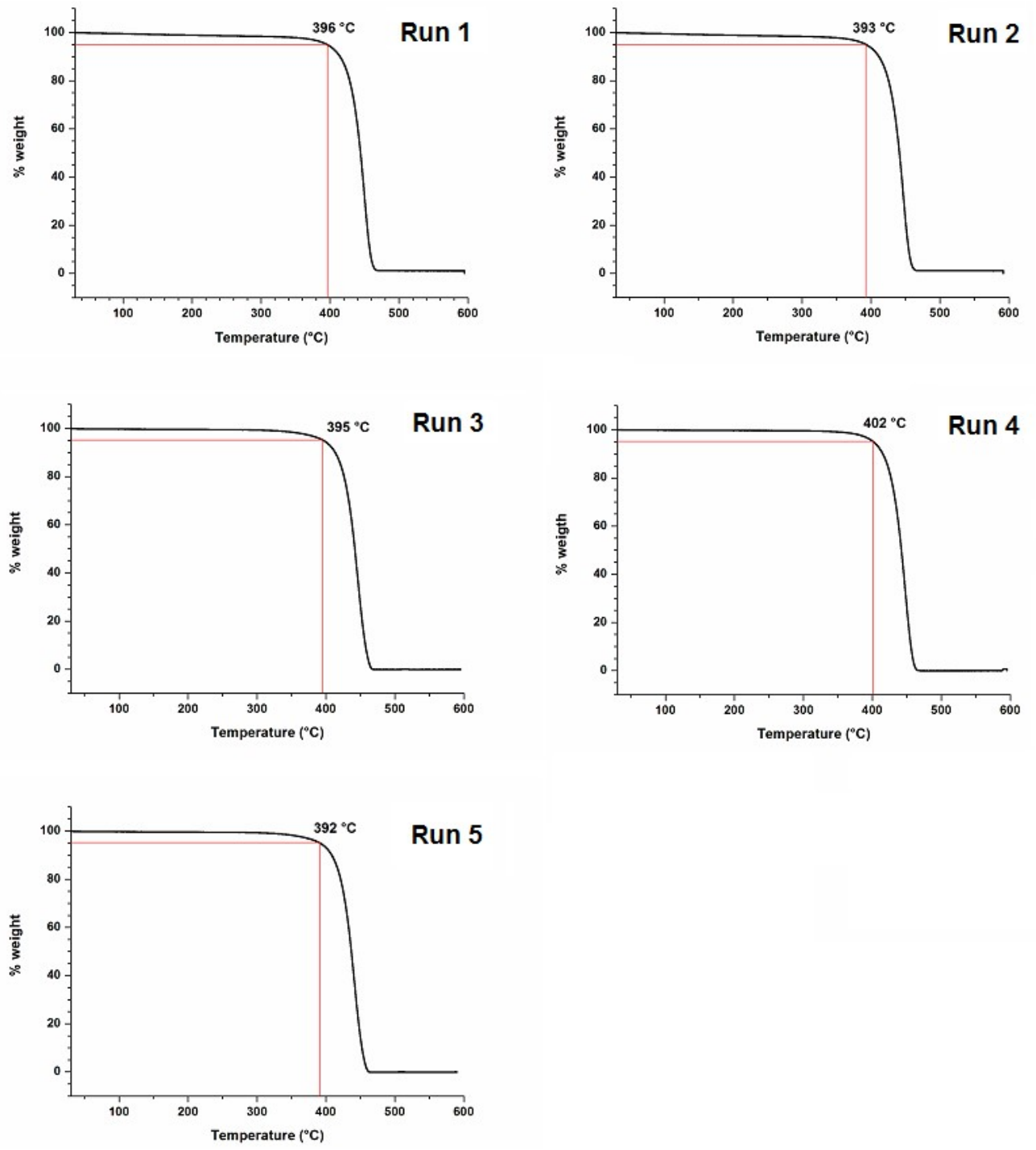
Carbon	Chem. Shift (ppm)
C1	37.72_6
C2	30.53_8
C3	23.94_6
C4	30.02_2
C5	41.45_6
C6	138.63_9
C7	106.57_1
C8	118.55_6
C9	117.17_7
C10	123.75_6
C11	121.17_1



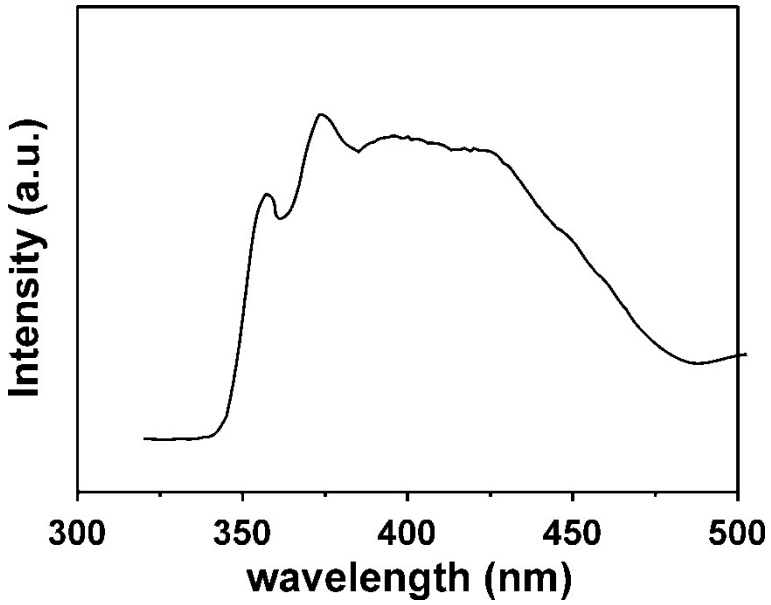
S6. GPC traces of runs **1-5**.



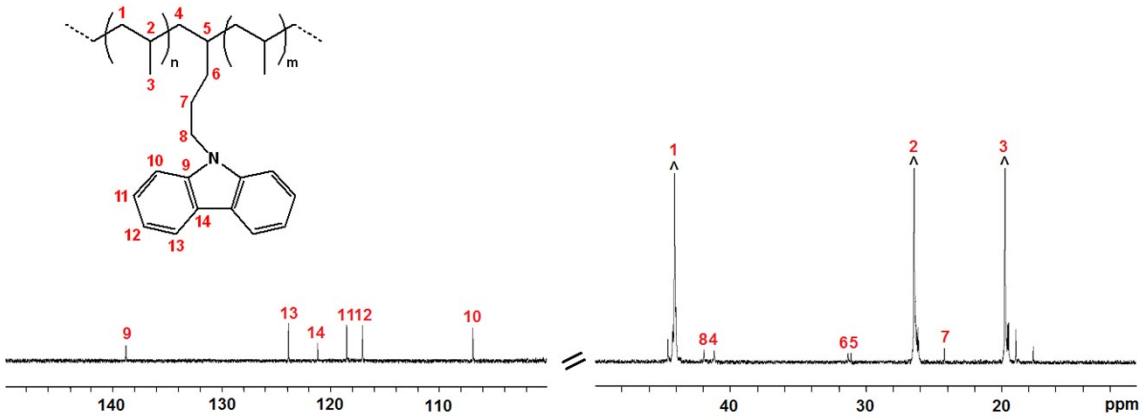
S7. X ray diffraction pattern of PPK (run **5**).



S8. TGA traces of runs **1-5** (N_2, 10°C/min).



S9. Emission spectrum of PPK (run **5**). Λ_{ecc} = 300 nm.



^{13}C NMR spectrum of P(P-*co*-PK) (run **2)** (TCDE solvent, HMDS scale, 100 °C).

Table S2. ^{13}C NMR Assignments of Run 2

Carbon	Chem. Shift (ppm)
C1	44.06_8
C2	26.41_4
C3	19.79_9
C4	41.11_9
C5	31.01_7
C6	31.28_6
C7	24.26_9
C8	41.96_7
C9	138.77_1
C10	106.93_1
C11	118.52_6
C12	117.05_6
C13	123.87_1
C14	121.13_2