Electronic Supplementary Material (ESI) for Polymer Chemistry.

Supporting information for:

Amidation of Methyl Ester Side Chain bearing Poly(2-oxazoline)s with Tyramine: A Quest for a Selective and Quantitative Approach

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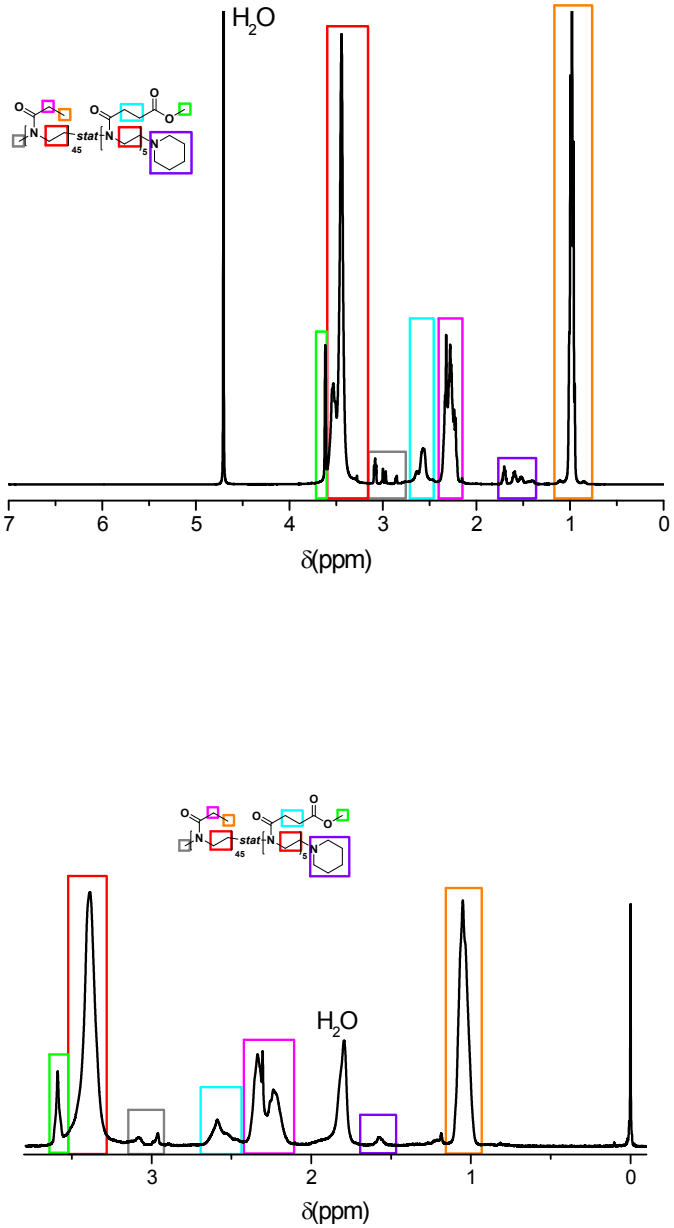

Figure S1: Top: Annotated ^1H NMR spectrum of P1 in D_2O. Bottom: Annotated ^1H NMR spectrum of P1 in $CDCl_3$.

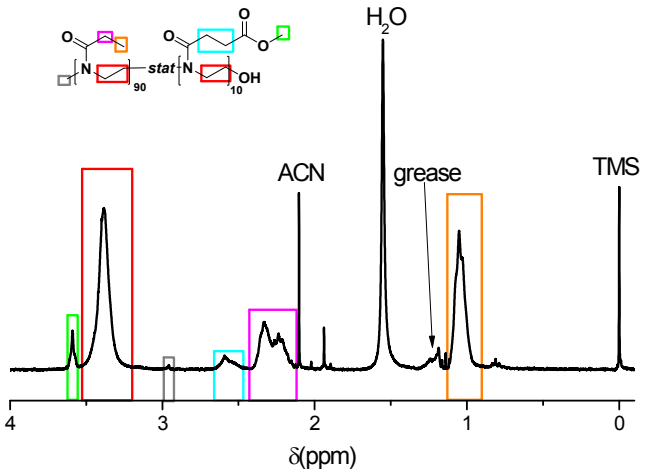

Figure S2: Annotated ^{1}H NMR spectrum of P2 in $CDCl_3$.

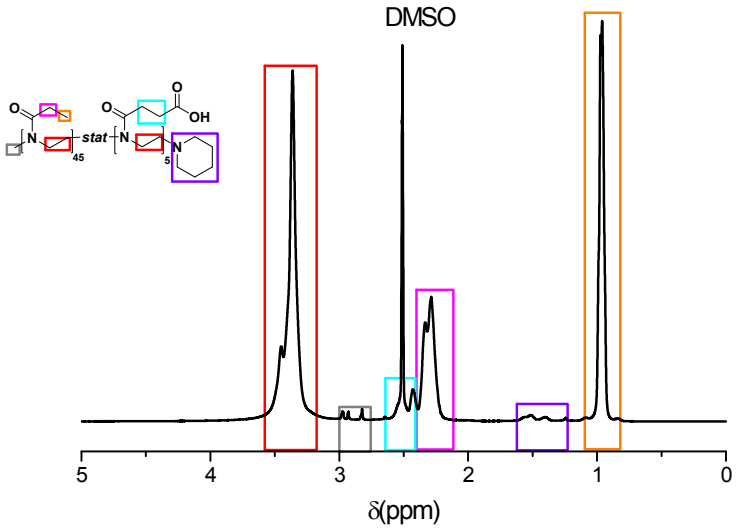

Figure S3: Annotated ^{1}H NMR spectrum of P1A in DMSO-d6.

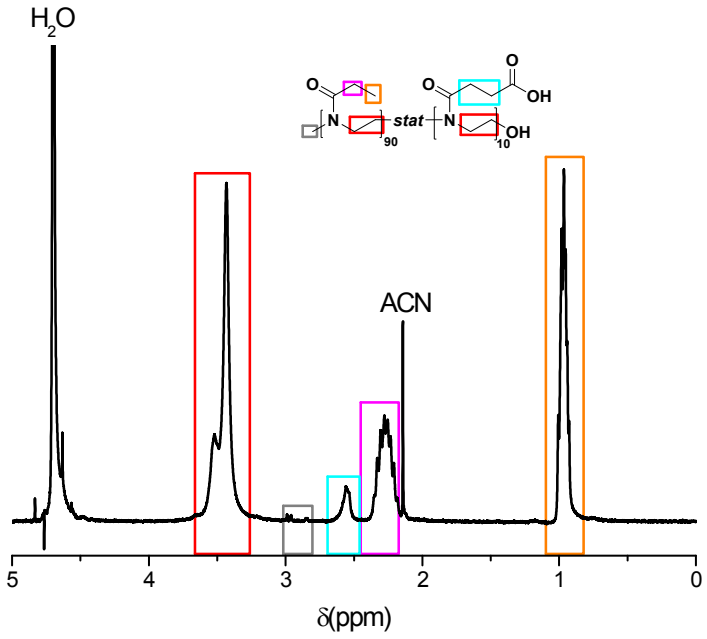

Figure S4: Annotated ^{1}H NMR spectrum of P1A in D_2O.

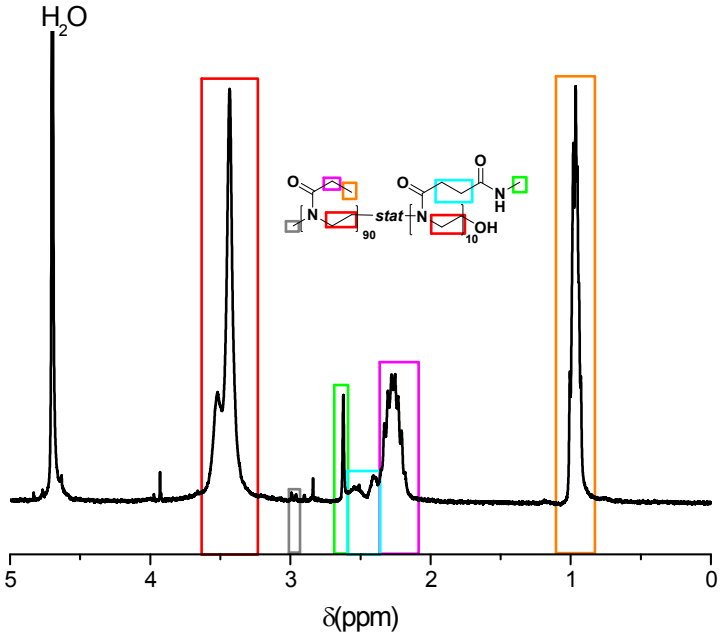

Figure S5: Annotated ^{1}H NMR spectrum of P2B in D_2O.

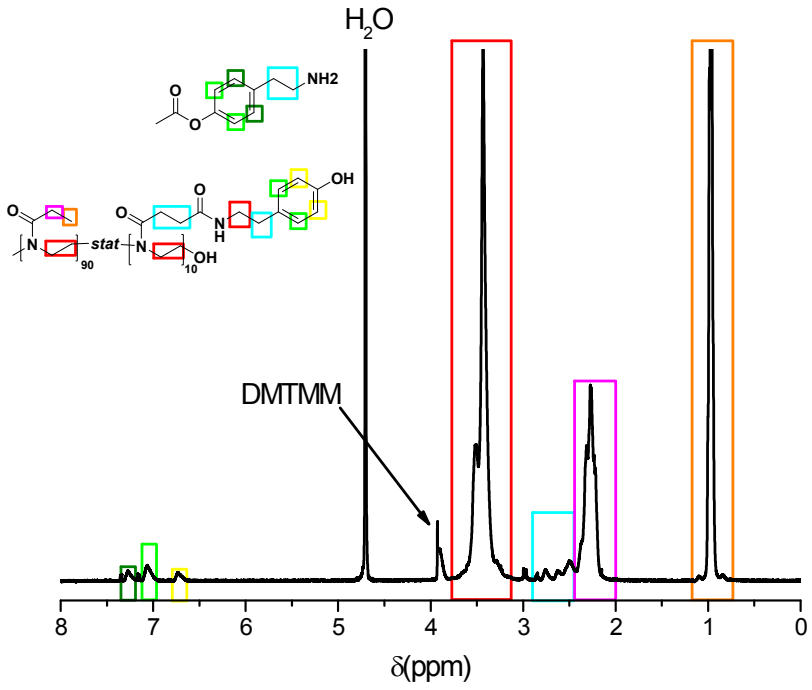

Figure S6: Annotated ^{1}H NMR spectrum of P2C in D_2O.

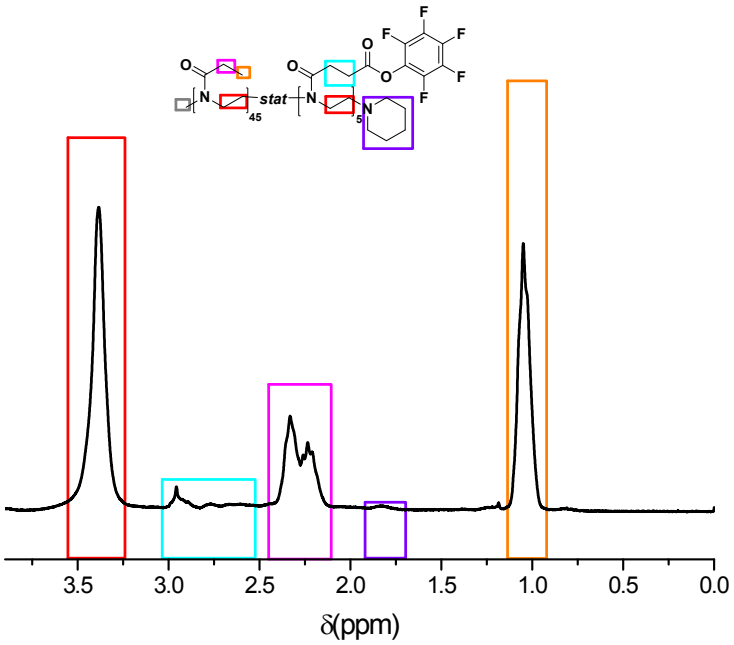

Figure S7: Annotated ^{1}H NMR spectrum of P1B in $CDCl_3$.

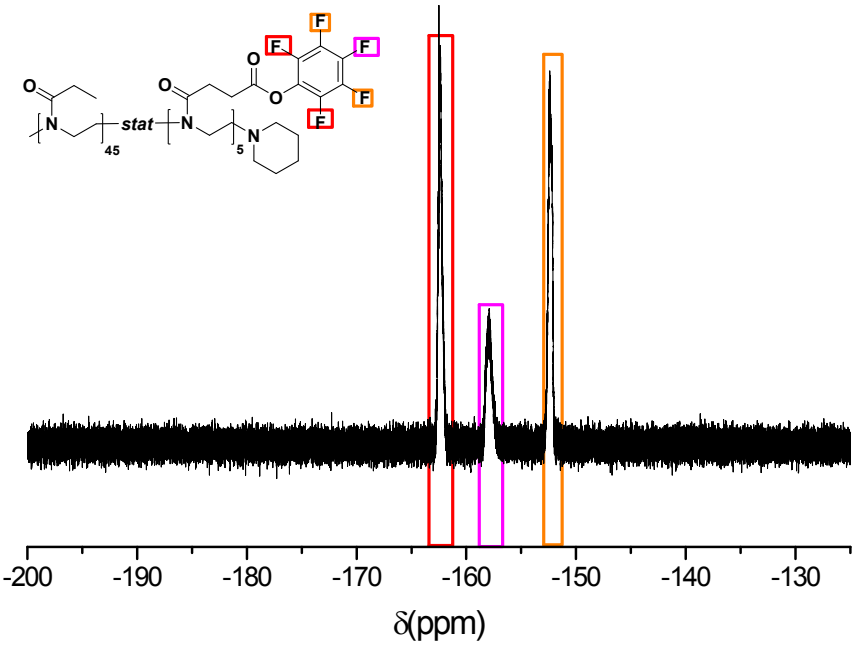

Figure S8: Annotated ^{19}F NMR spectrum of P1B in $CDCl_3$.

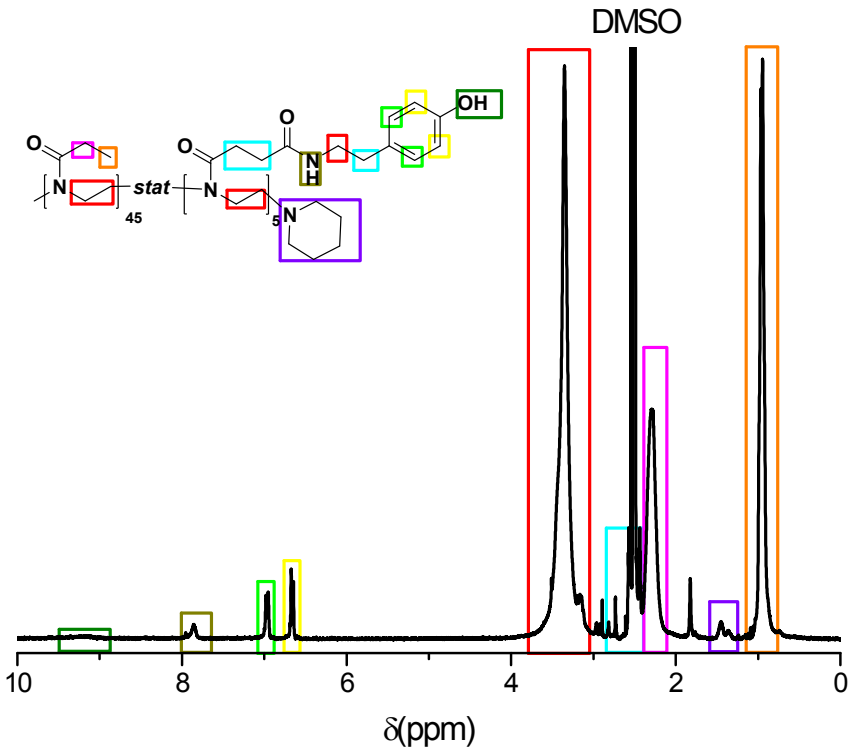

Figure S9: Annotated ^{1}H NMR spectrum of P1C in DMSO-d6.

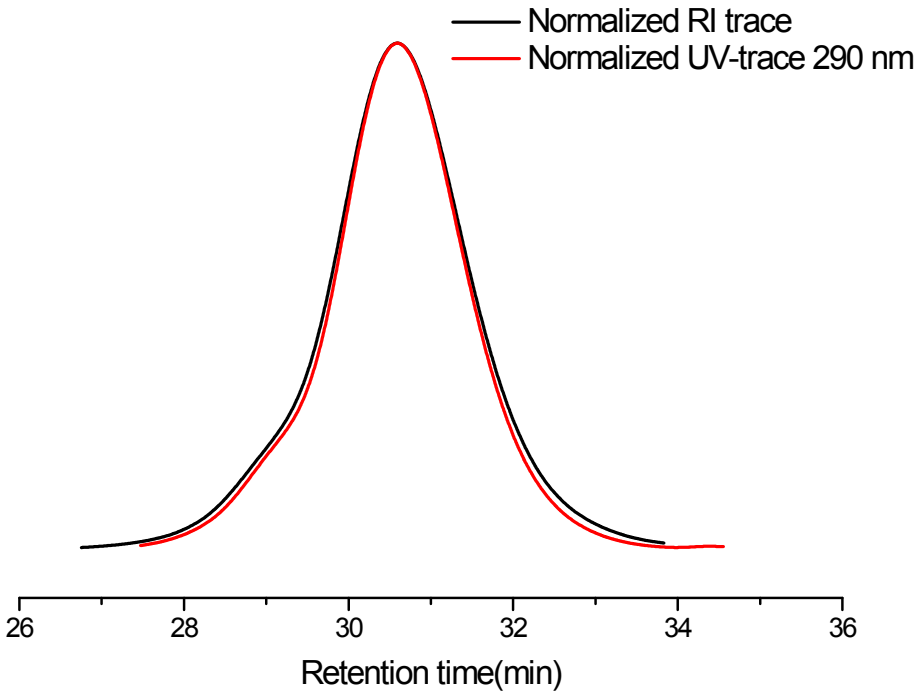

Figure S10: SEC trace overlay of RI- and UV-traces of P1C.

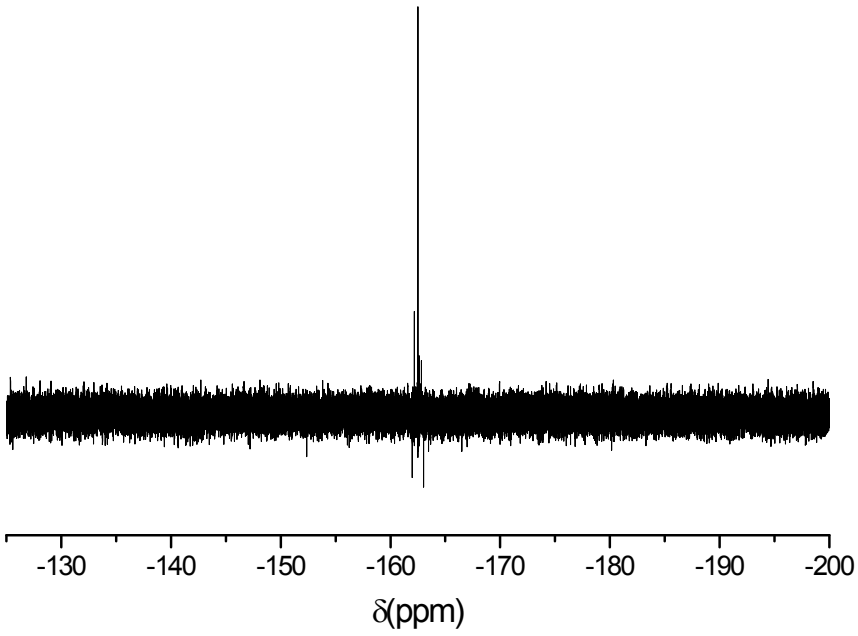

Figure S11: ^{19}F NMR spectrum of P1C in DMSO-d6.

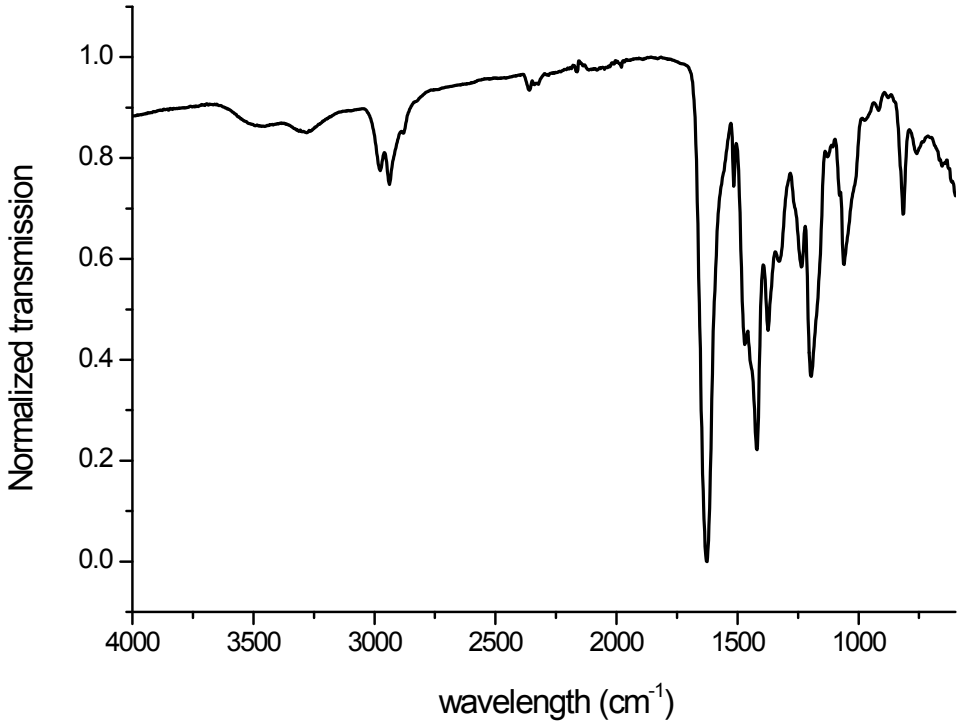

Figure S12: FT-IR spectrum of P1C.

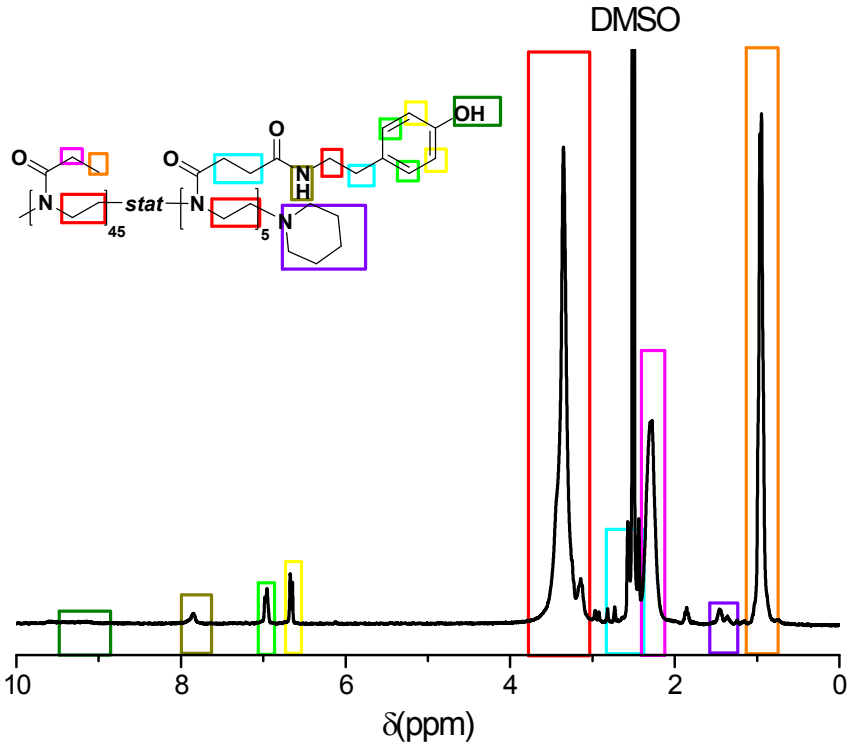

Figure S13: Annotated ^{1}H NMR spectrum of P1D in DMSO-d6.

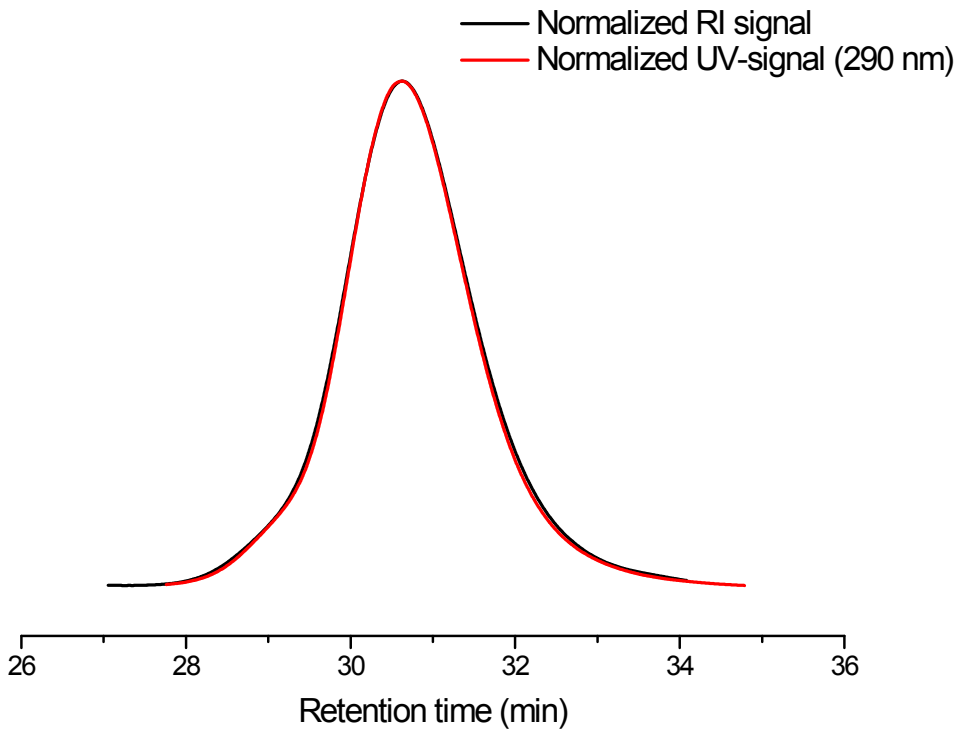

Figure S14: SEC trace overlay of RI- and UV-traces of P1D.

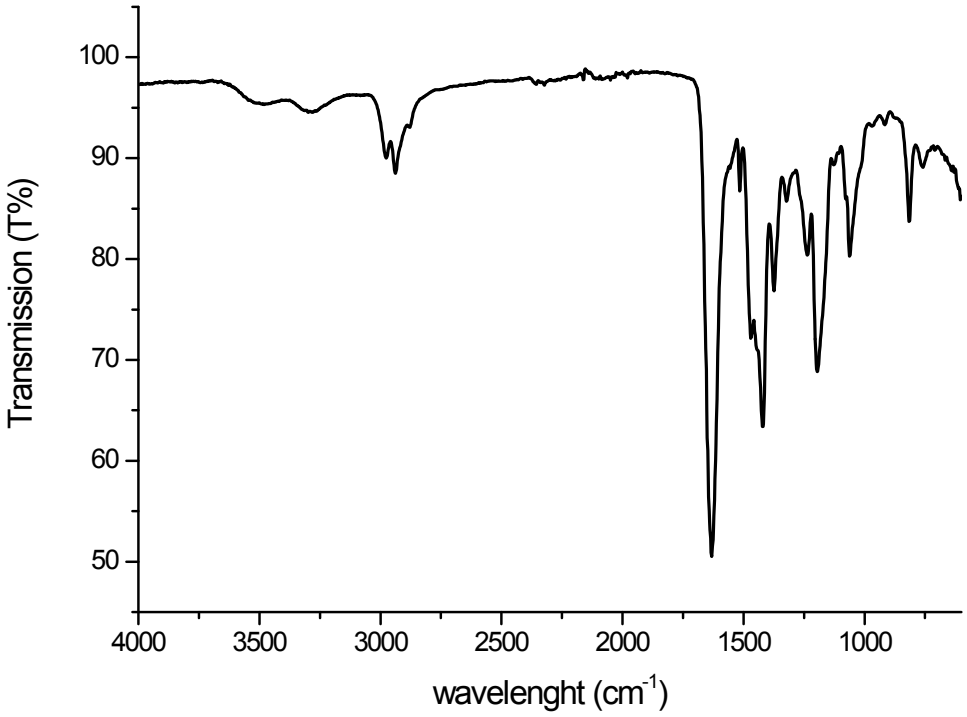

Figure S15: FT-IR spectrum of P1D.

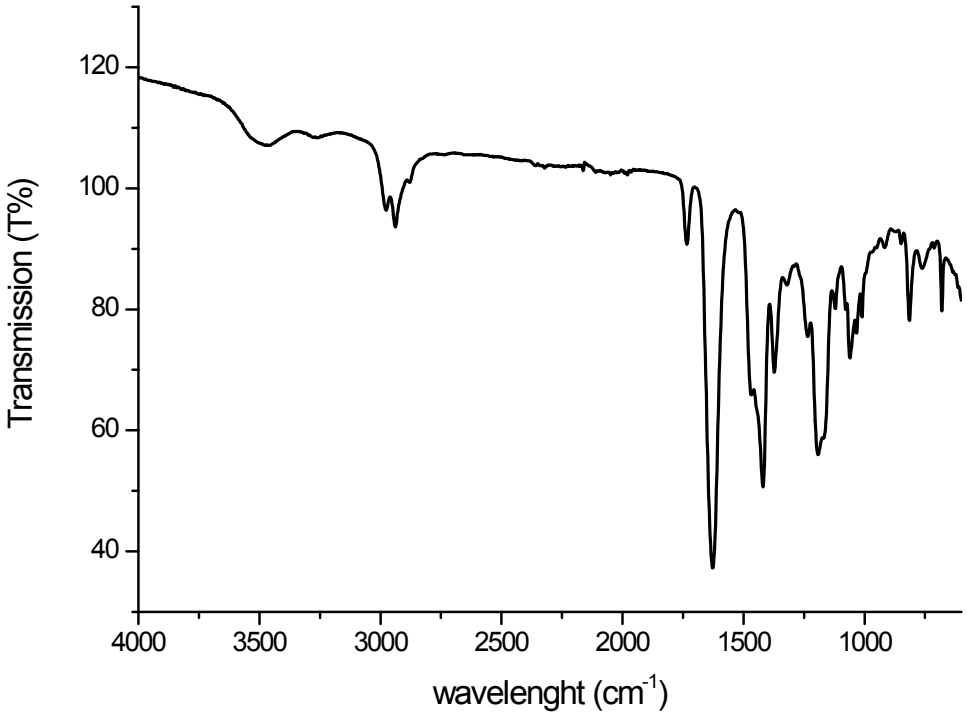

Figure S16: FT-IR spectrum of P1.

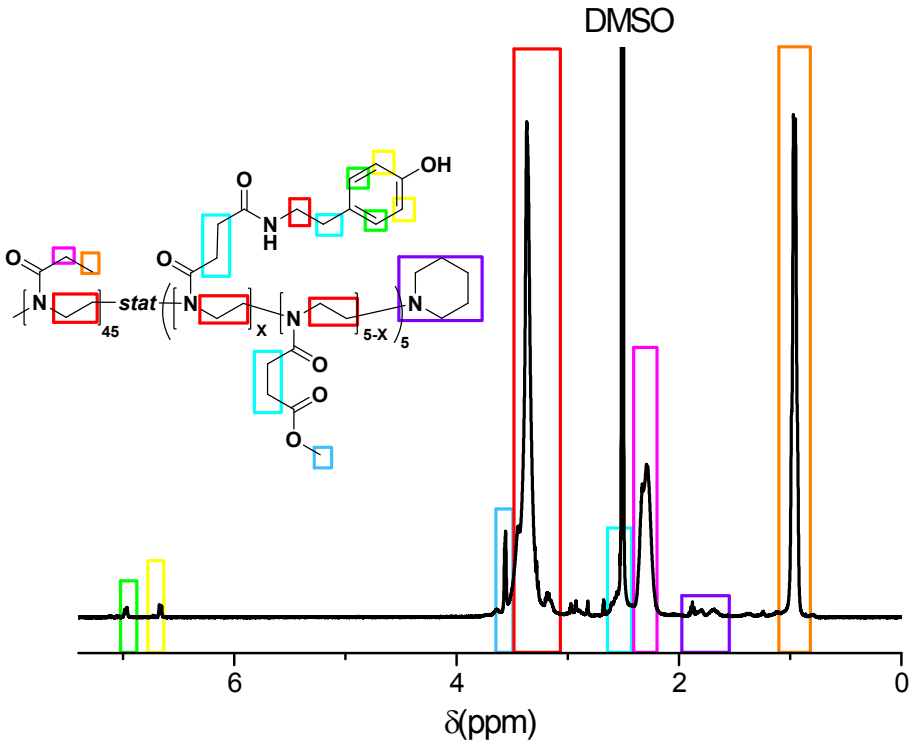

Figure S17: [1]H NMR spectrum of P1D, but attempted with 0.5 equivalents of TBD instead of 3 equivalents, reaction time 4 hours. The spectrum shows partial conversion (27%) to the amide, but the absence of any transesterification products.