Supporting Information

Scope and Limitations of Ring-Opening Copolymerization of Trimethylene Carbonate with Substituted γ-Thiolactones

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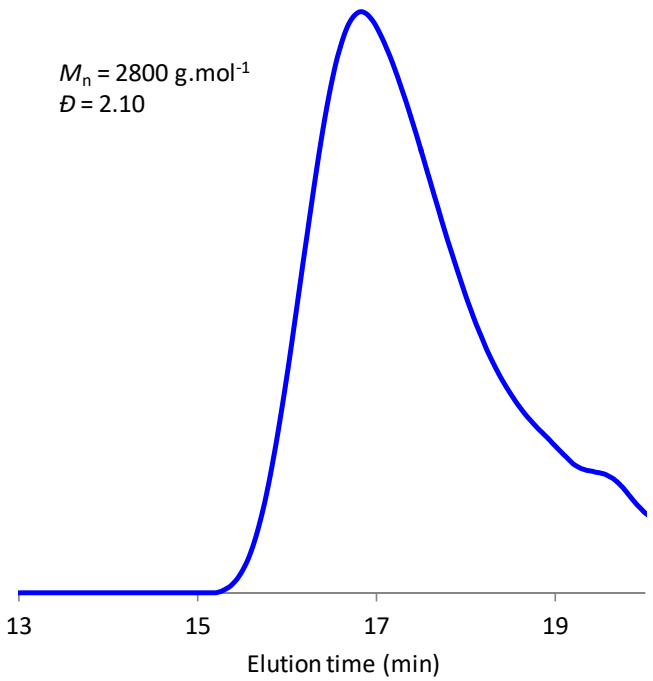

Figure S1. SEC-RI chromatogram (normalized) of the isolated poly(TMC-*co*-TL0).

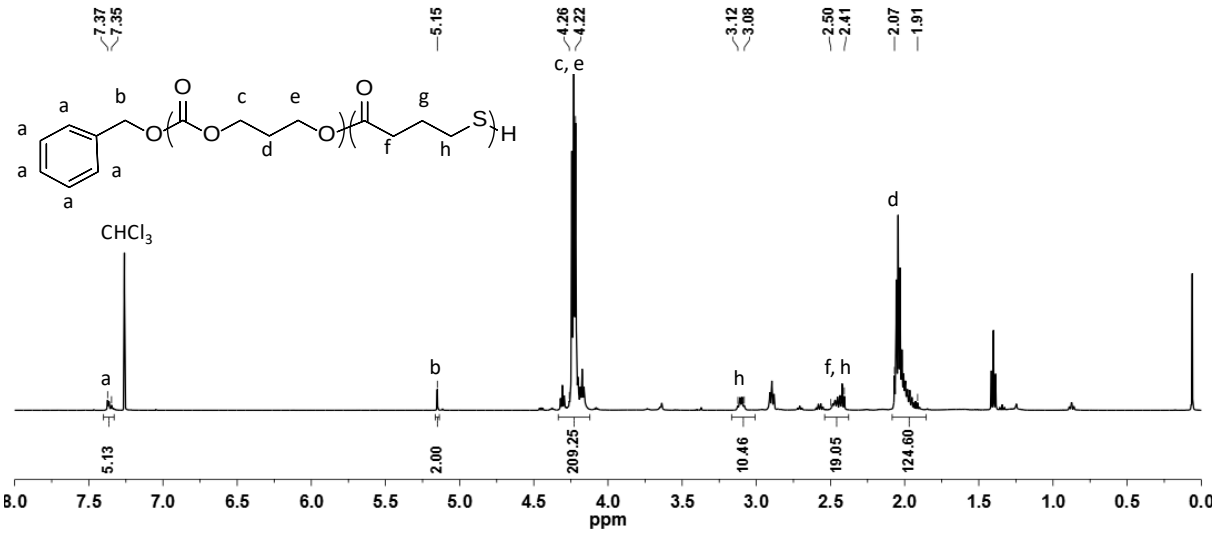

Figure S2. ^{1}H NMR of the isolated poly(TMC-*co*-TL0) in $CDCl_3$.

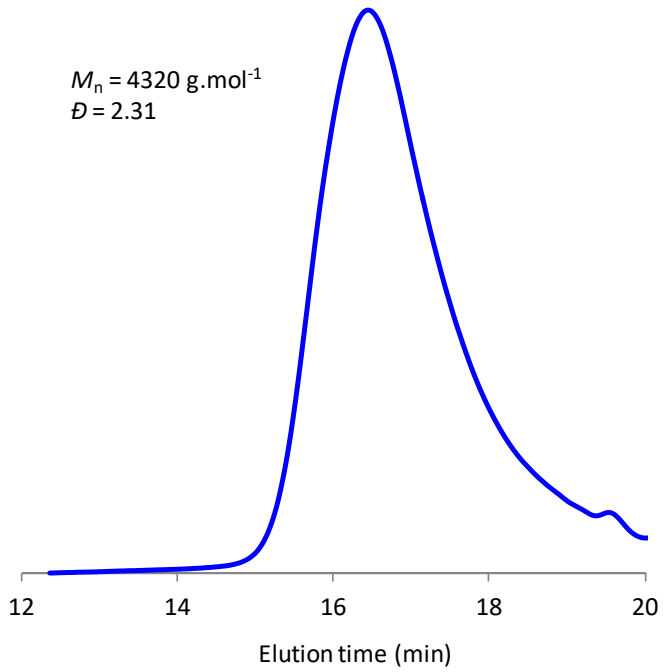

Figure S3. SEC-RI chromatogram (normalized) of the isolated poly(CL-*co*-TL0).

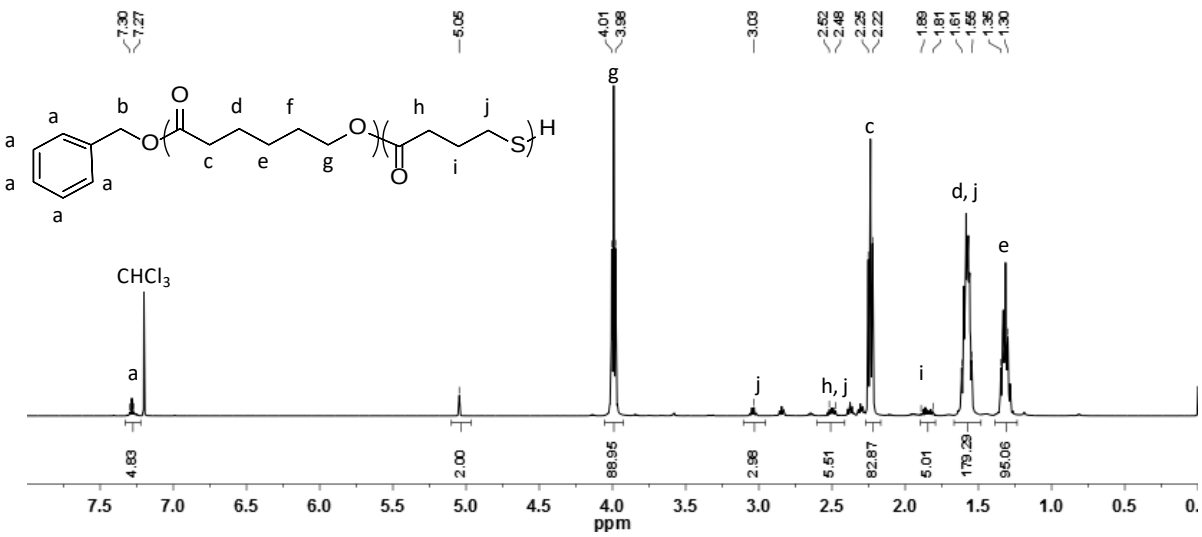

Figure S4. ^{1}H NMR of the isolated poly(CL-*co*-TL0) in $CDCl_3$.

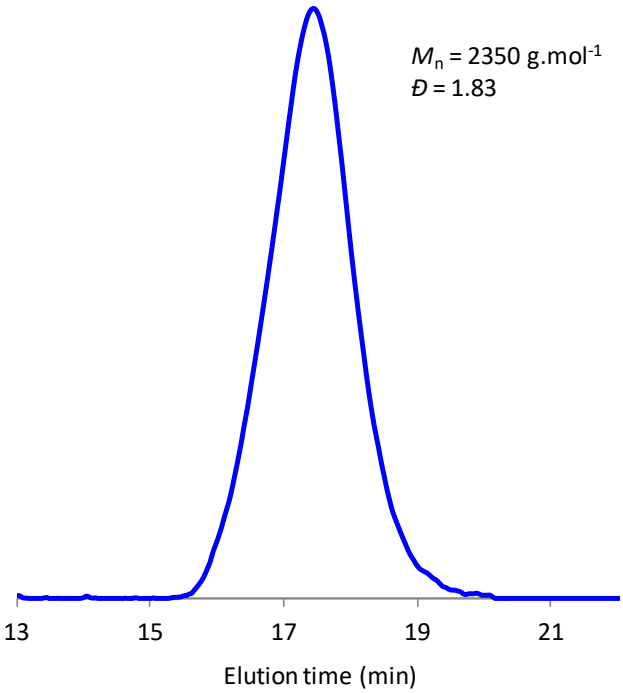

Figure S5. SEC-RI chromatogram (normalized) of the isolated poly(TMC-*co*-TL1) using Bz-OH as initiator.

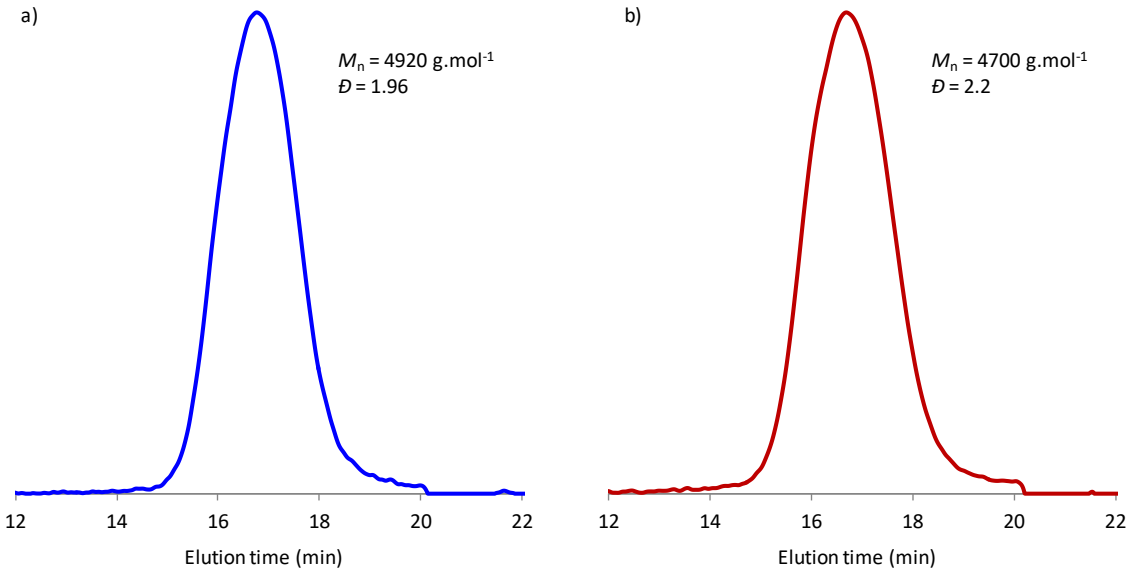

Figure S6. SEC-RI chromatograms (normalized) of the isolated poly(TMC-*co*-TL2) using Bz-OH as initiator (a) and PM as initiator (b).

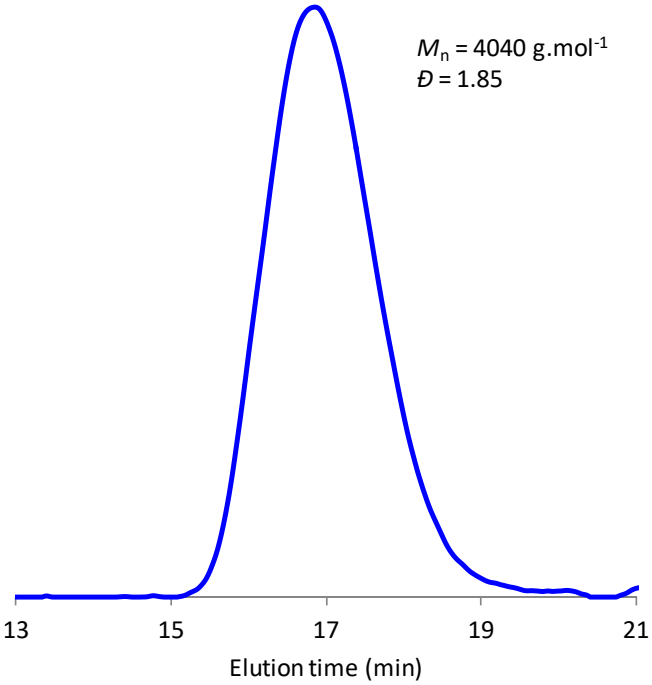

Figure S7. SEC-RI chromatogram (normalized) of the isolated poly(TMC-*co*-TL3).

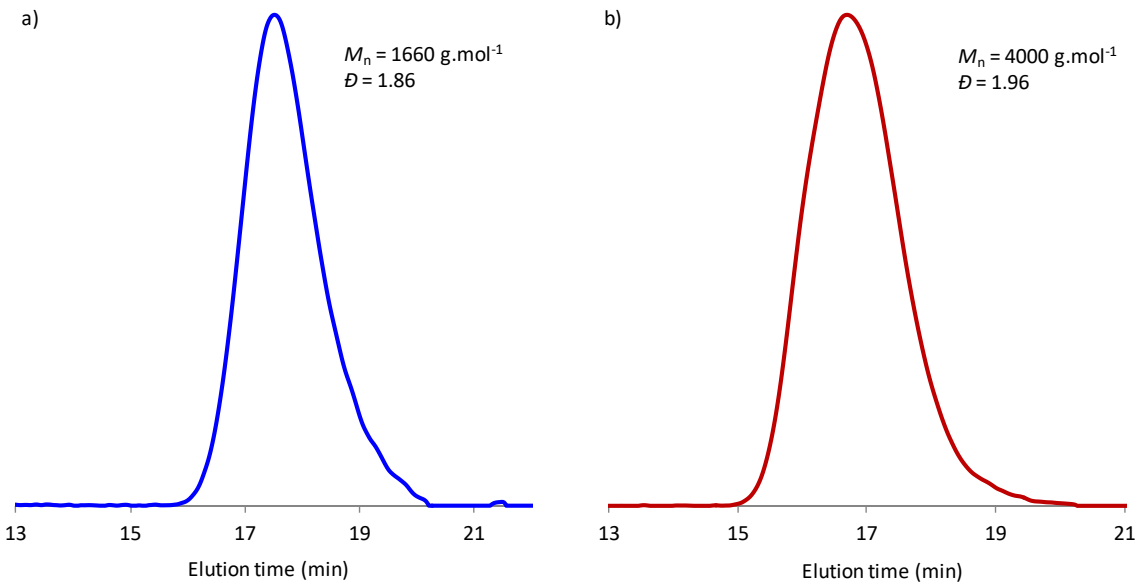

Figure S8. SEC-RI chromatograms (normalized) of the isolated poly(TMC-*co*-TL1) with TBD as catalyst (a) and the isolated poly(TMC-*co*-TL1) with DBU as catalyst (b).

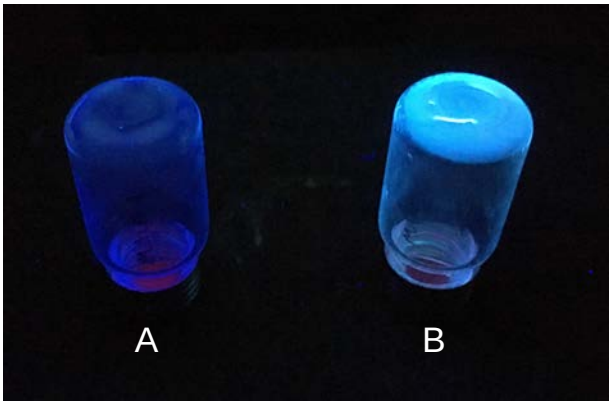

Figure S9. Isolated poly(TMC-*co*-TL2) using Bz-OH as initiator (A) and PM as initiator (B) under UV-light at λ = 365 nm.

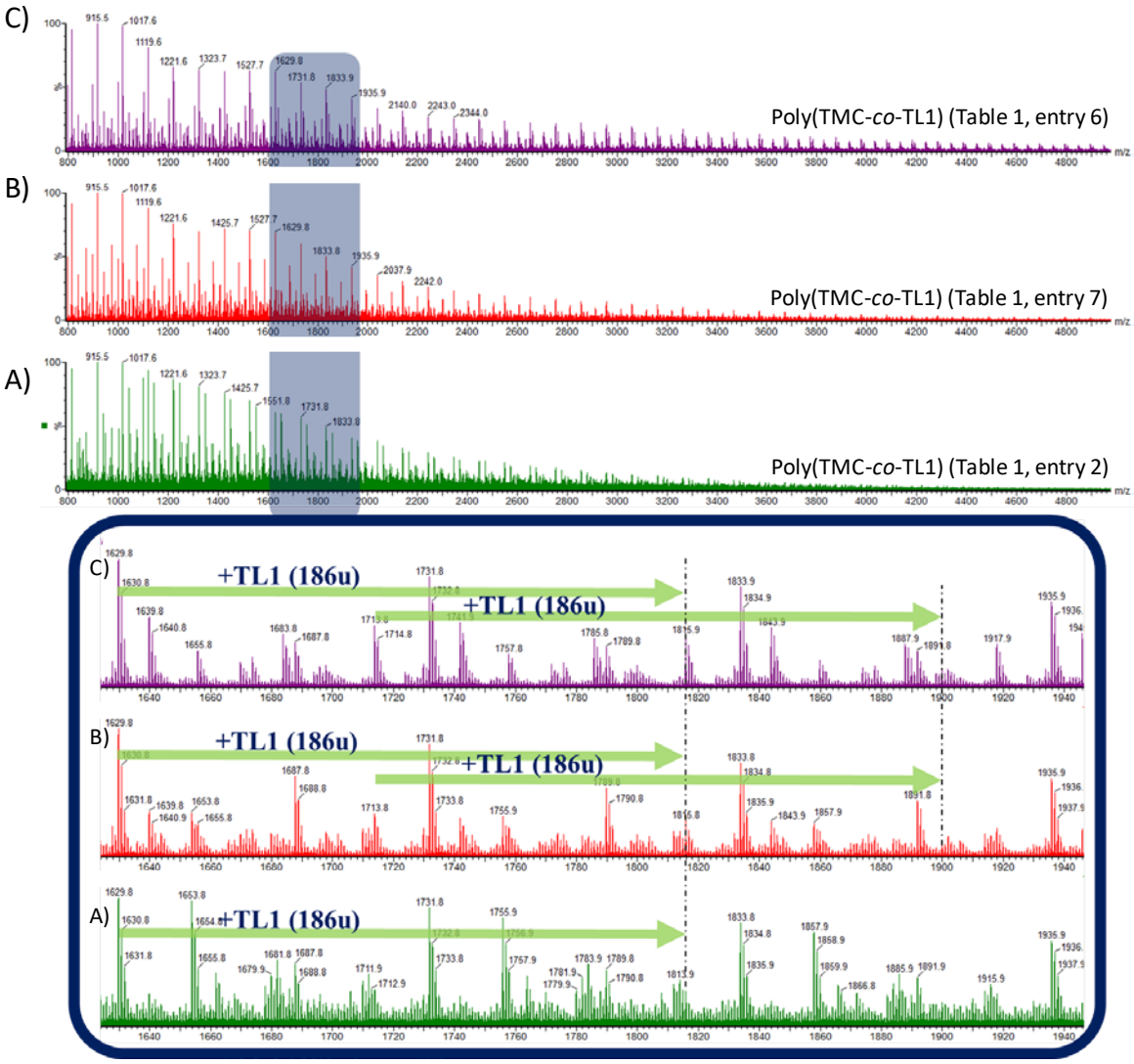

Figure S10. MALDI-TOF MS spectra of the isolated poly(TMC-*co*-TL1)s.

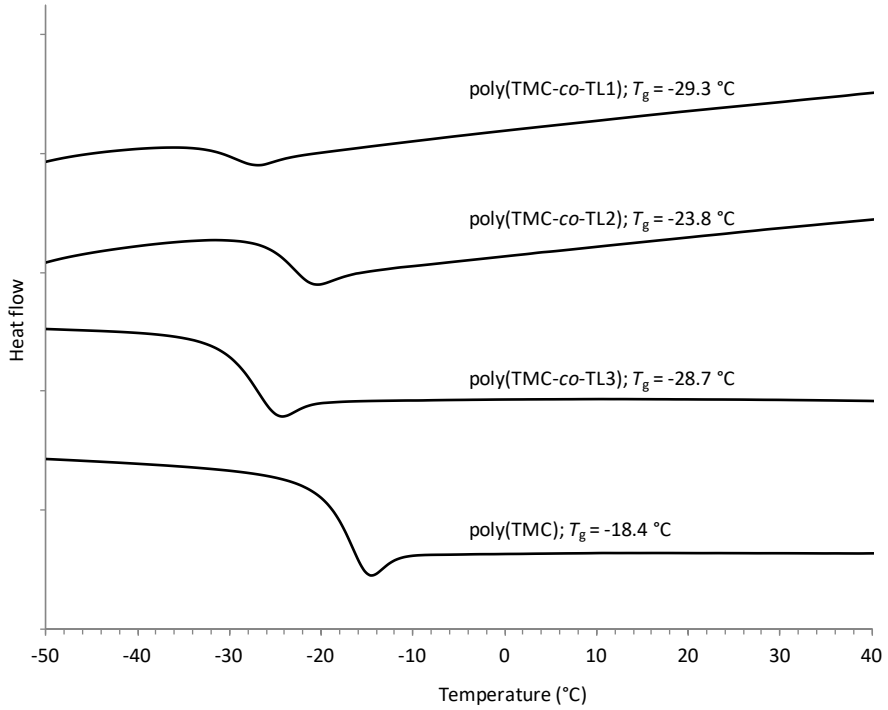

Figure S11. DSC thermograms of the different polymers.