

Electronic Supplementary Information

Aspects of the Synthesis of Poly(styrene-*block*-isobutylene-*block*-styrene) by TiCl₄-Co-initiated Cationic Polymerization in Open Conditions

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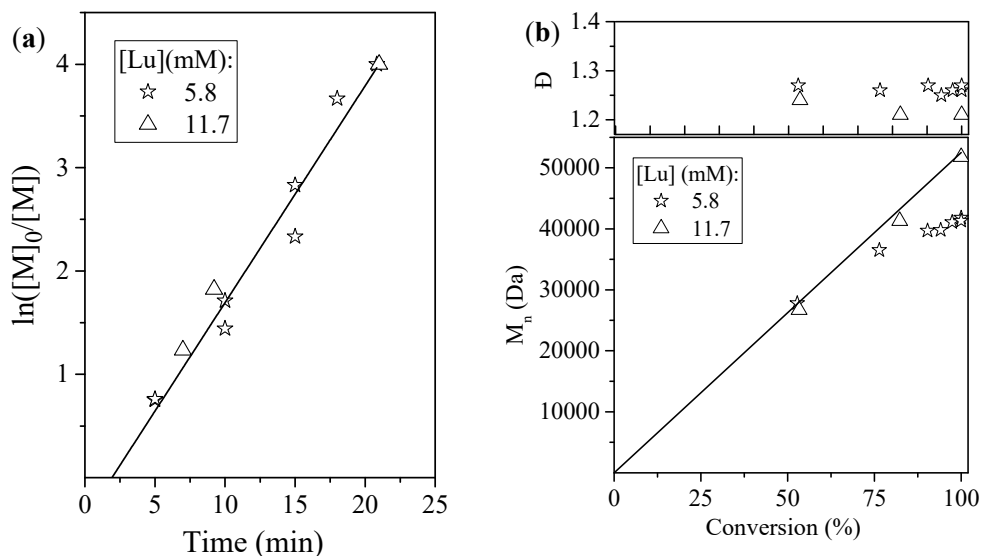


Figure S1. (a) First-order plots and (b) M_n , \bar{D} vs. conversion dependences for cationic polymerization of isobutylene at with DiCumCl/TiCl₄/Lu initiating system in CH₂Cl₂/MCH 40:60 v/v at different proton trap concentrations at -80 °C: $[IB]=1.0$ M; $[TiCl_4]=90$ mM; $[DiCumCl]=1.1$ mM.

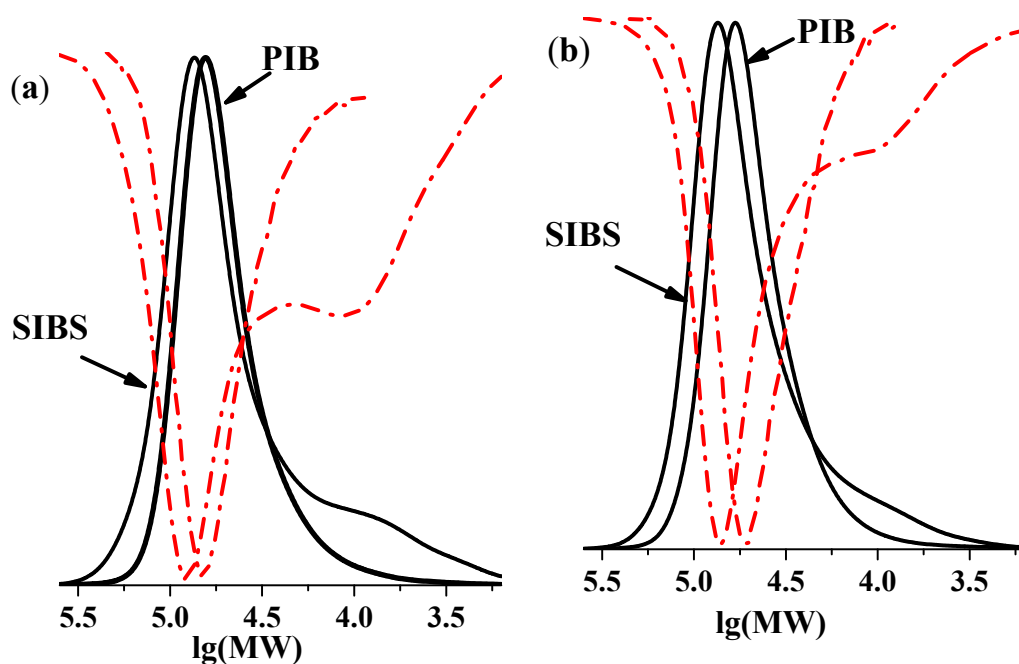


Figure S2. RI (solid line) and UV (dashed line) SEC traces of polyisobutylenes and corresponding SIBSs obtained with DiCumCl/TiCl₄/Lu initiating system in CH₂Cl₂/MCH 40:60 v/v at -80 °C and at different concentration of proton trap. Concentration of proton trap: (a) 0 mM (run 3, Table 1); (b) 5.8 mM (run 4, Table 1).