

Electronic Supporting Information (ESI)

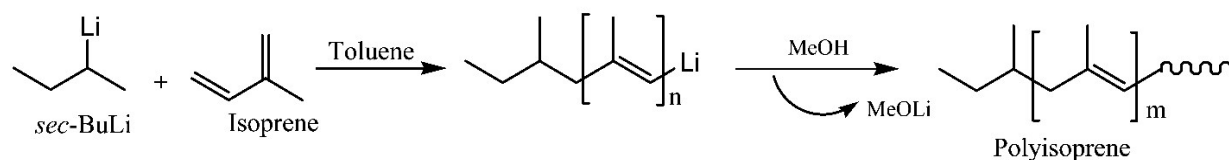
Synthesis and characterization of highly branched polyisoprene: Exploiting the “Strathclyde route” in anionic polymerization

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Scheme S1: Synthetic route of homopolymer polyisoprene

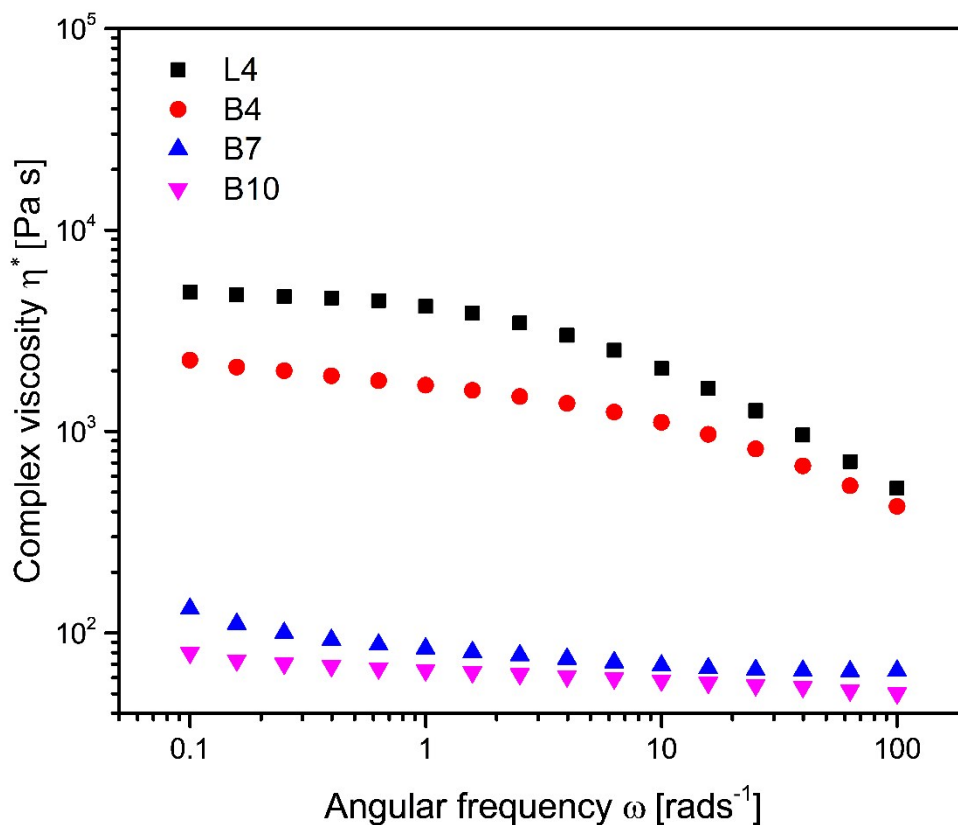


Fig. S1: Complex viscosity (η^*) for the linear, L4 and branched, B4, B7 and B10 polymers at 70 °C

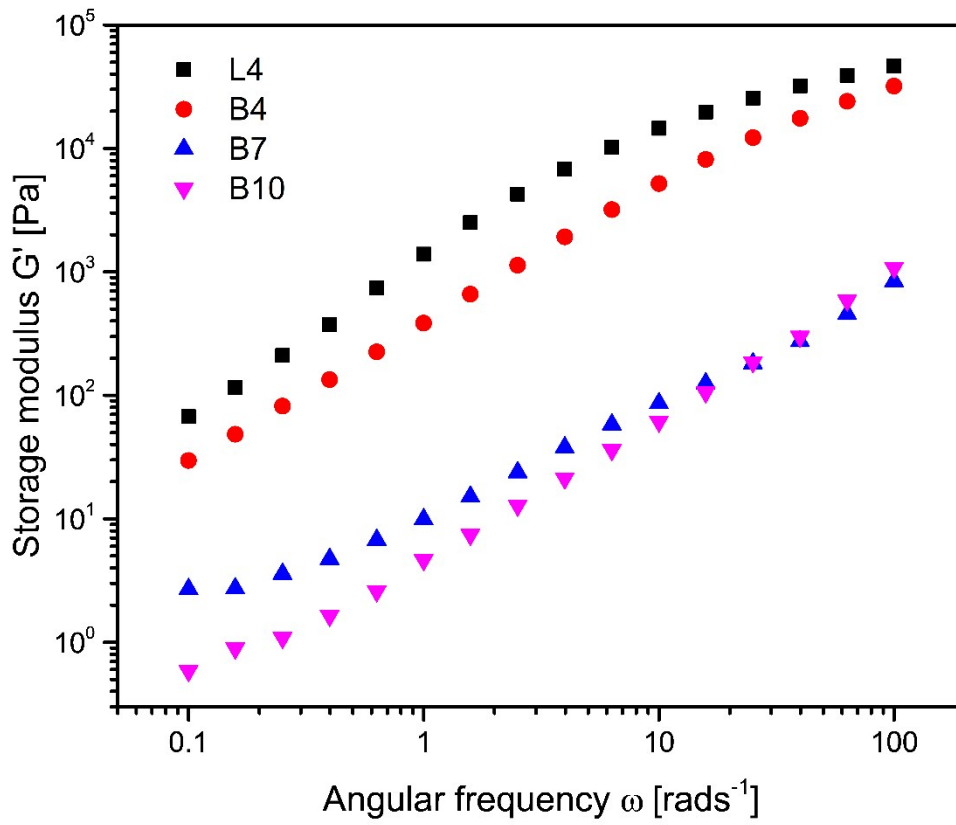


Fig. S2: Storage modulus G' , for the linear, L4 and branched, B4, B7 and B10 polymers at 70 °C

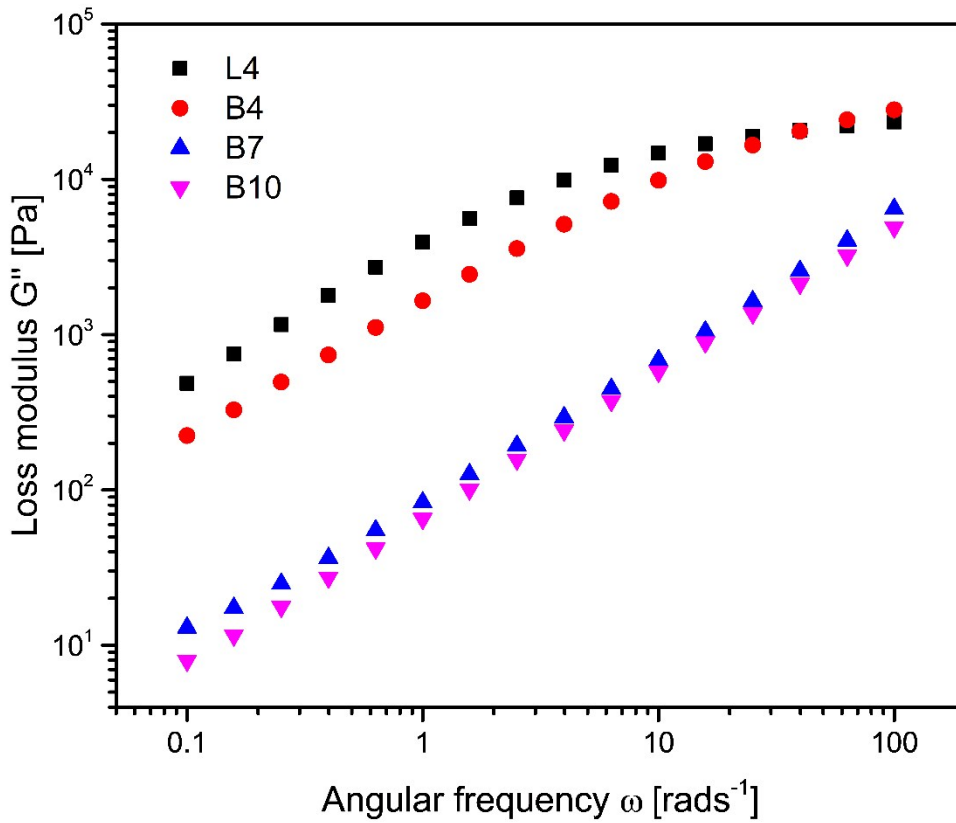


Fig. S3: Loss modulus (G''), for the linear, L4 and branched, B4, B7 and B10 polymers at 70 °C

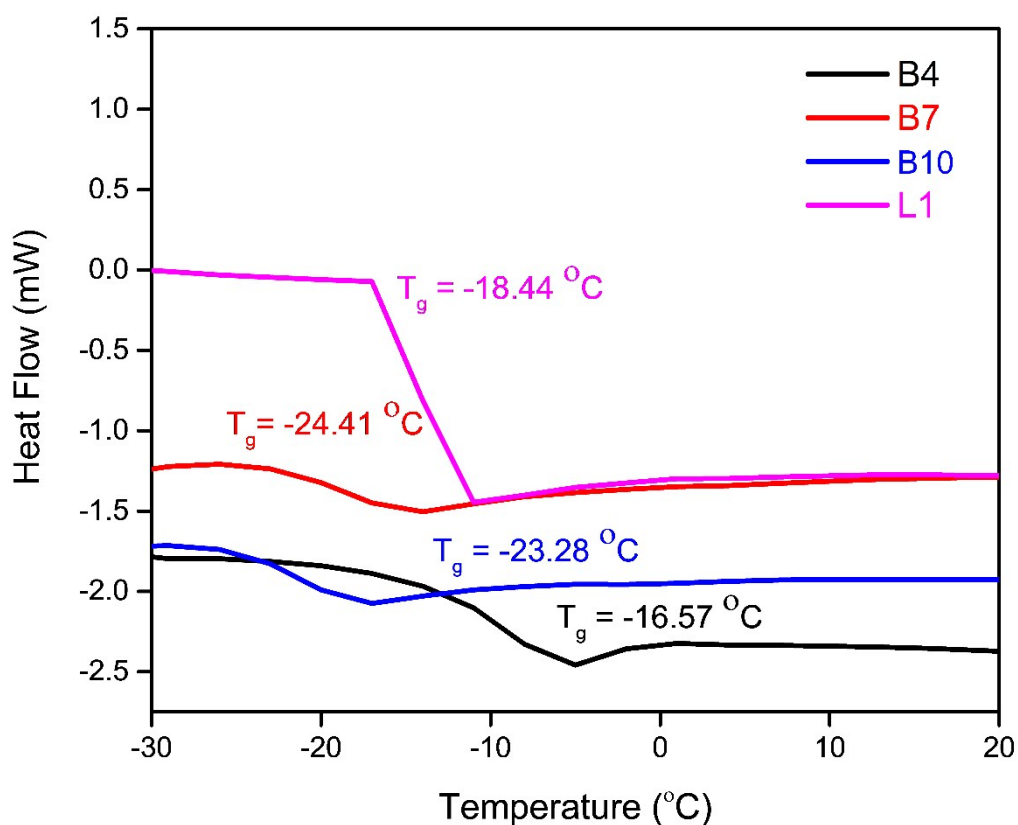


Fig. S4: DSC thermograms, for (a) linear, L1 and (b) branched, B4, B7 and B10 polymers at 70 °C

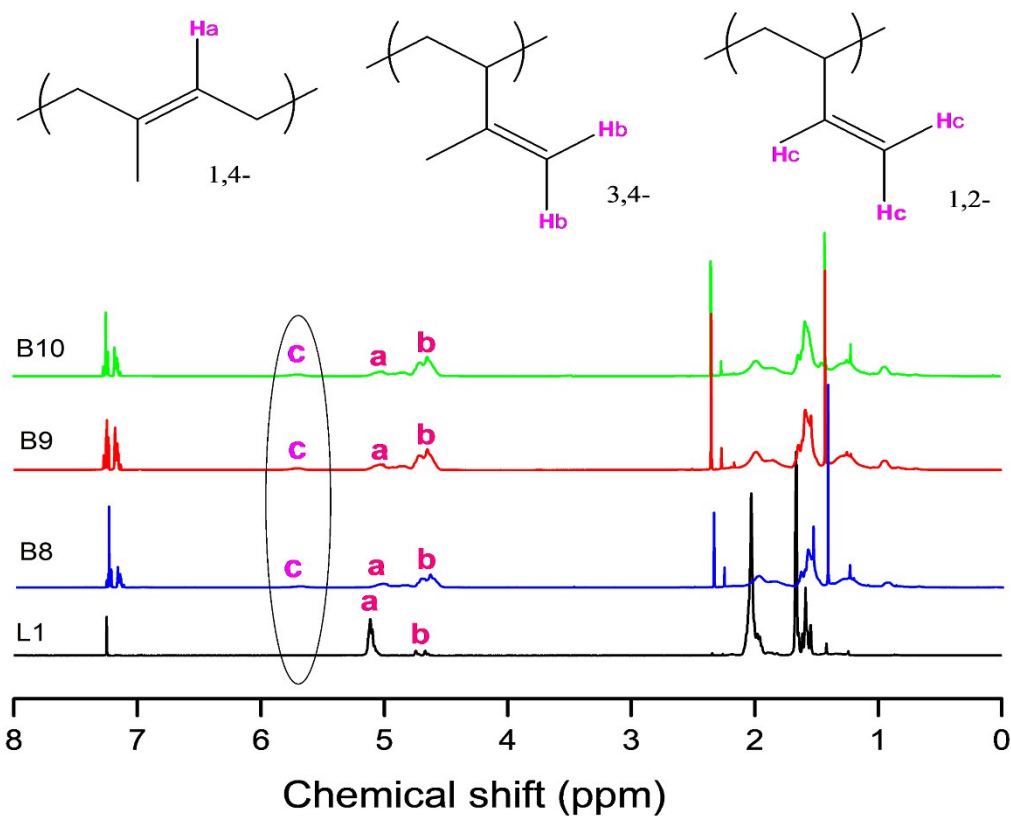


Fig. S5: ^1H NMR spectra for linear (L1, TMEDA/Li = 0) and branched (B8, TMEDA/Li = 0.5; B9 TMEDA/Li = 1.0; B10, TMEDA/Li = 1.5) polymers