The Electrophilic Effect of Thiol Group on Thiol-yne Thermal Click Polymerization for Hyperbranched Polythioether

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Fig. S1 ¹H NMR spectra of the starting materials 1-5.



Fig. S2 ¹³C NMR spectra of HP1-8.



Fig. S3 ¹H NMR spectra of the HP 2 recorded at given time intervals.







Fig. S5 FTIR spectra of the HP 2 recorded at given time intervals.



Fig. S6 ¹H NMR spectra of the HP 4 recorded at given time intervals.



Fig. S7 ¹³C NMR spectra of HP 4-8.



Fig. S8 FTIR spectra of the HP 4 recorded at given time intervals.