Supplementary Information

$^1$H NMR Spectra

**Compound 1**

![Compound 1 NMR Spectrum](image1)

**Compound 2**

![Compound 2 NMR Spectrum](image2)
\textbf{\textsuperscript{13}C NMR Spectra}

\textbf{Compound 1}
Compound 2
UV spectra

Compound 1
Compound 2
Polymer P1
Polymer P2
Polymer P3
Infrared Spectra

**Compound 1**

![Infrared Spectrum of Compound 1](image1)

**Compound 2**

![Infrared Spectrum of Compound 2](image2)
Polymer P1

Polymer P2
Polymer P3

Polymer P4