

Synthesis and Photoresponsive Properties of Two Liquid Crystalline Polymers Bearing Branched Azobenzene-Containing Side Chains

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Supporting information

The ^1H NMR spectra of the intermediate products are given in figure S1-S5.

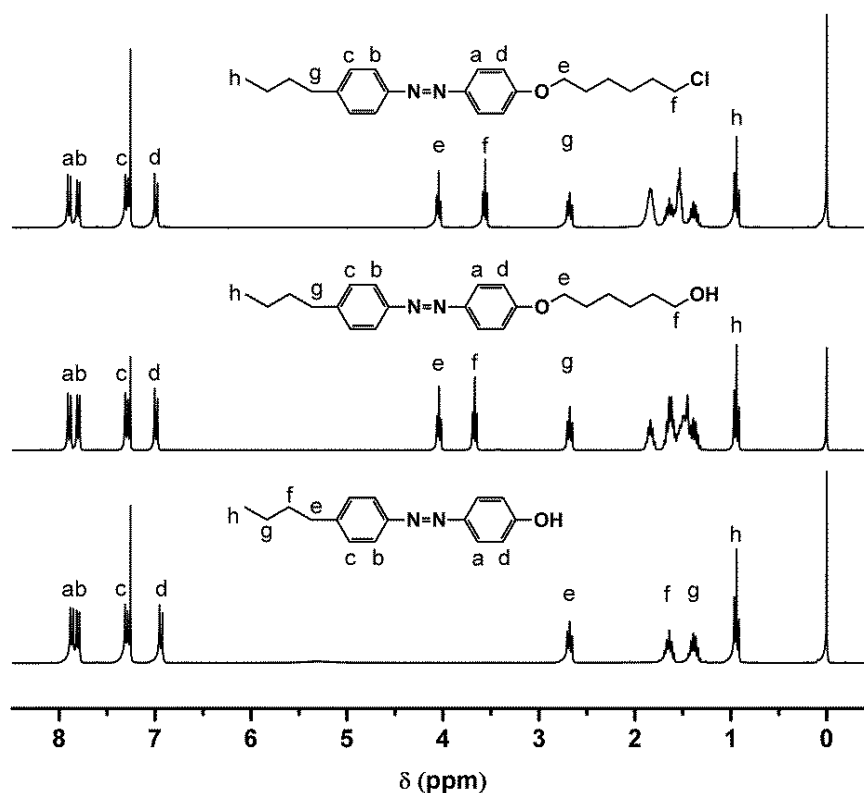


Figure S1. ^1H NMR spectra of **Compound 1-3**

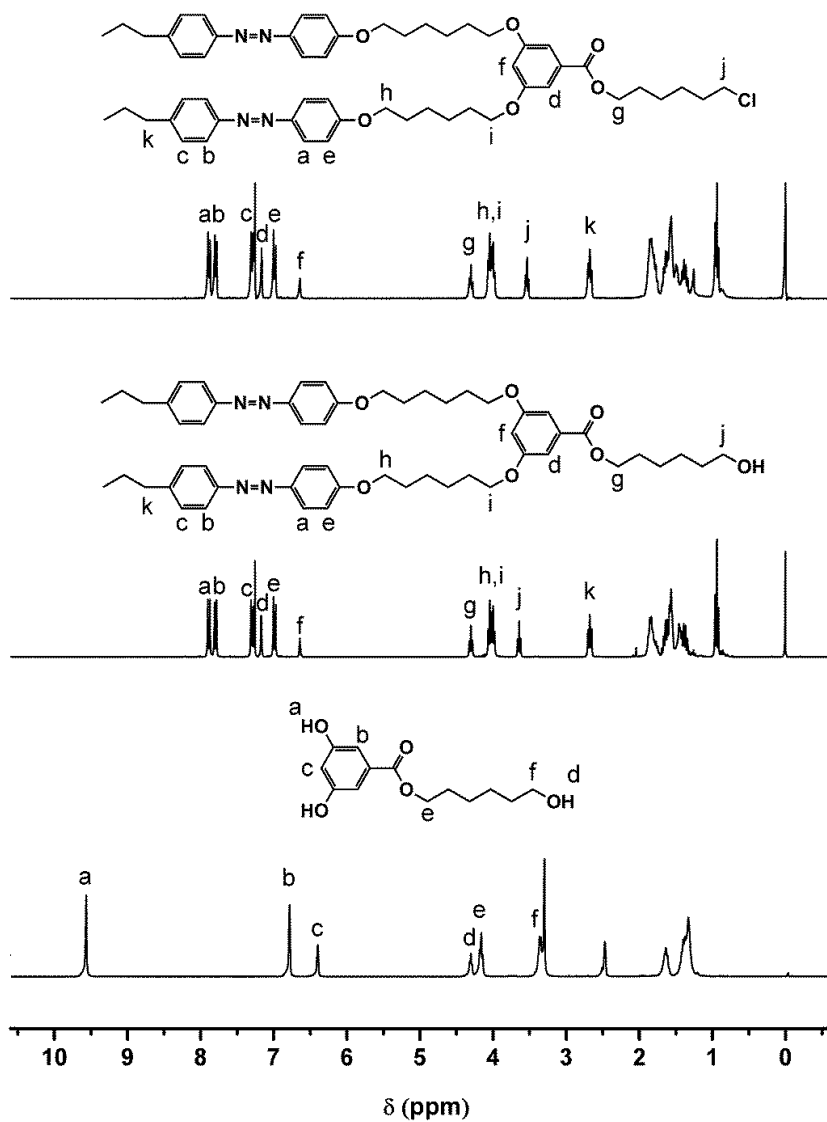


Figure S2. ^1H NMR spectra of **Compound 5-7**

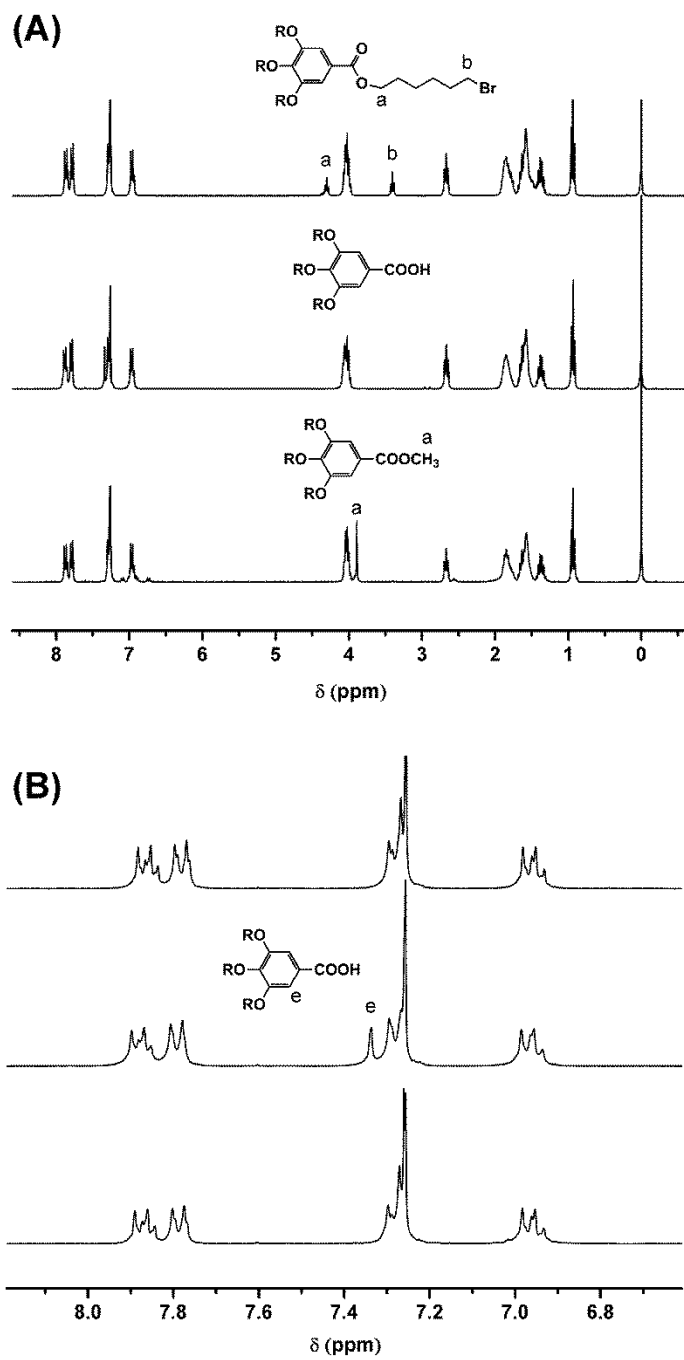


Figure S3. ^1H NMR spectra of **compound 10-12**

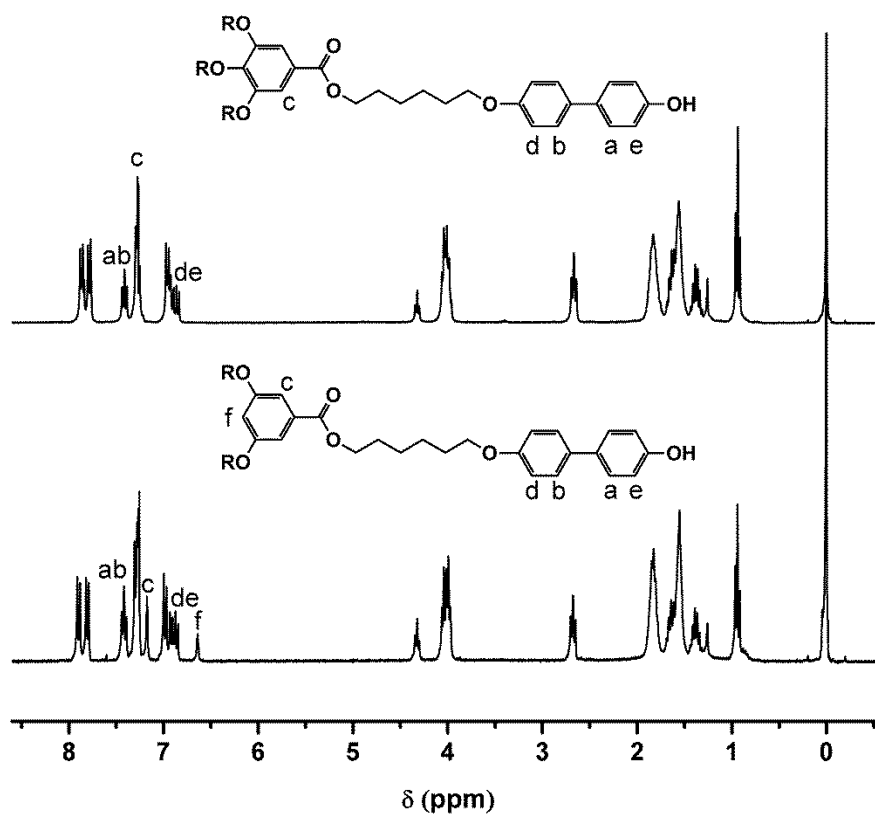


Figure S4. ^1H NMR spectra of **Compound 8&13**

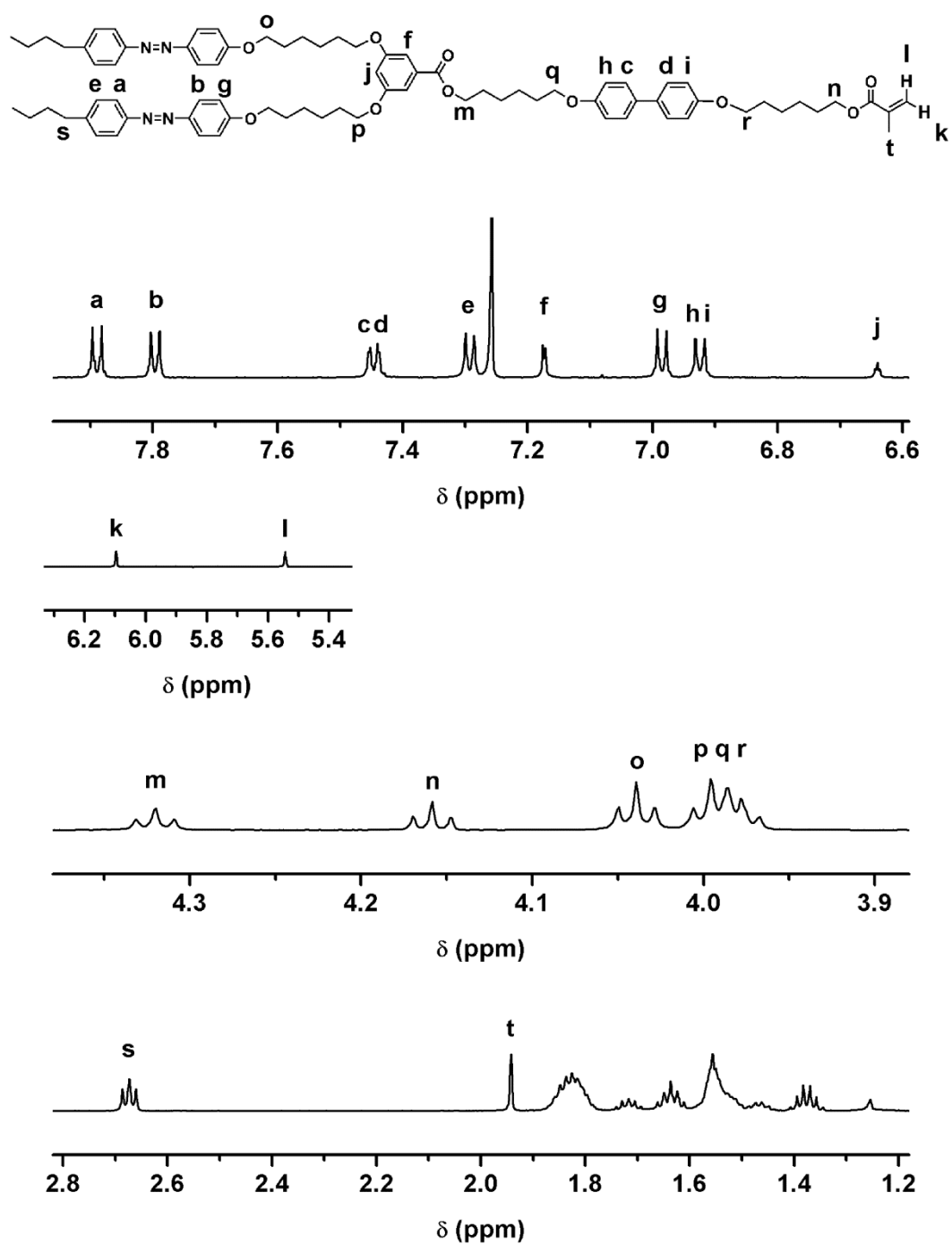


Figure S5. ¹H NMR spectra of monomer 2ABMA

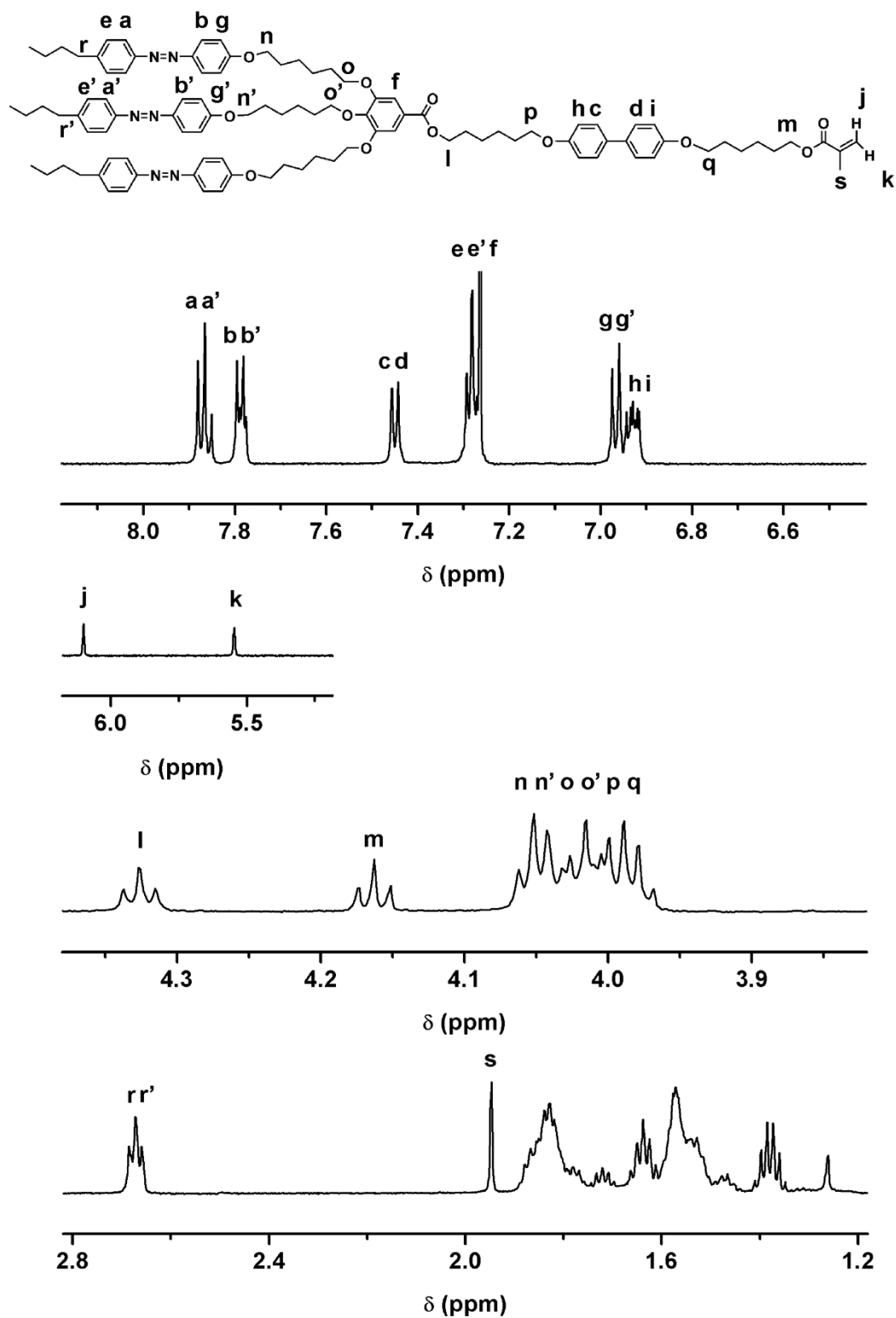


Figure S6. ¹H NMR spectra of monomer 3ABMA

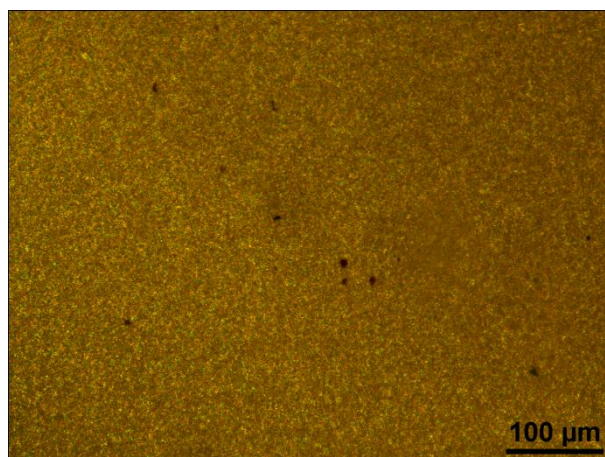


Figure S7. POM image of the polymer P2ABMA at 120°C

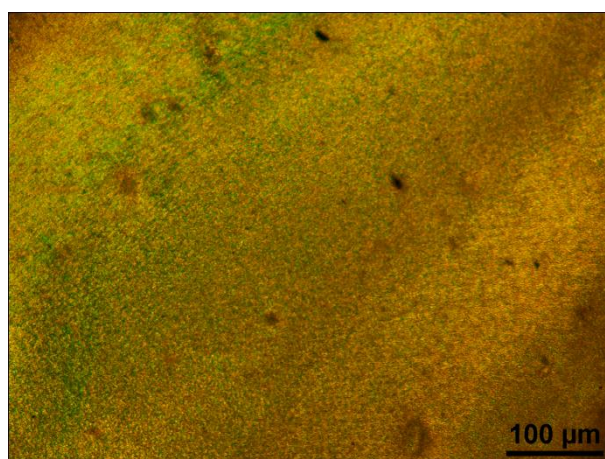


Figure S8. POM image of the polymer P3ABMA at 120°C