

Supporting information

Sequential Michael Addition Thiol-Ene and Radical-Mediated Thiol-Ene Reactions in One-Pot Produce Sequence-Ordered Polymers

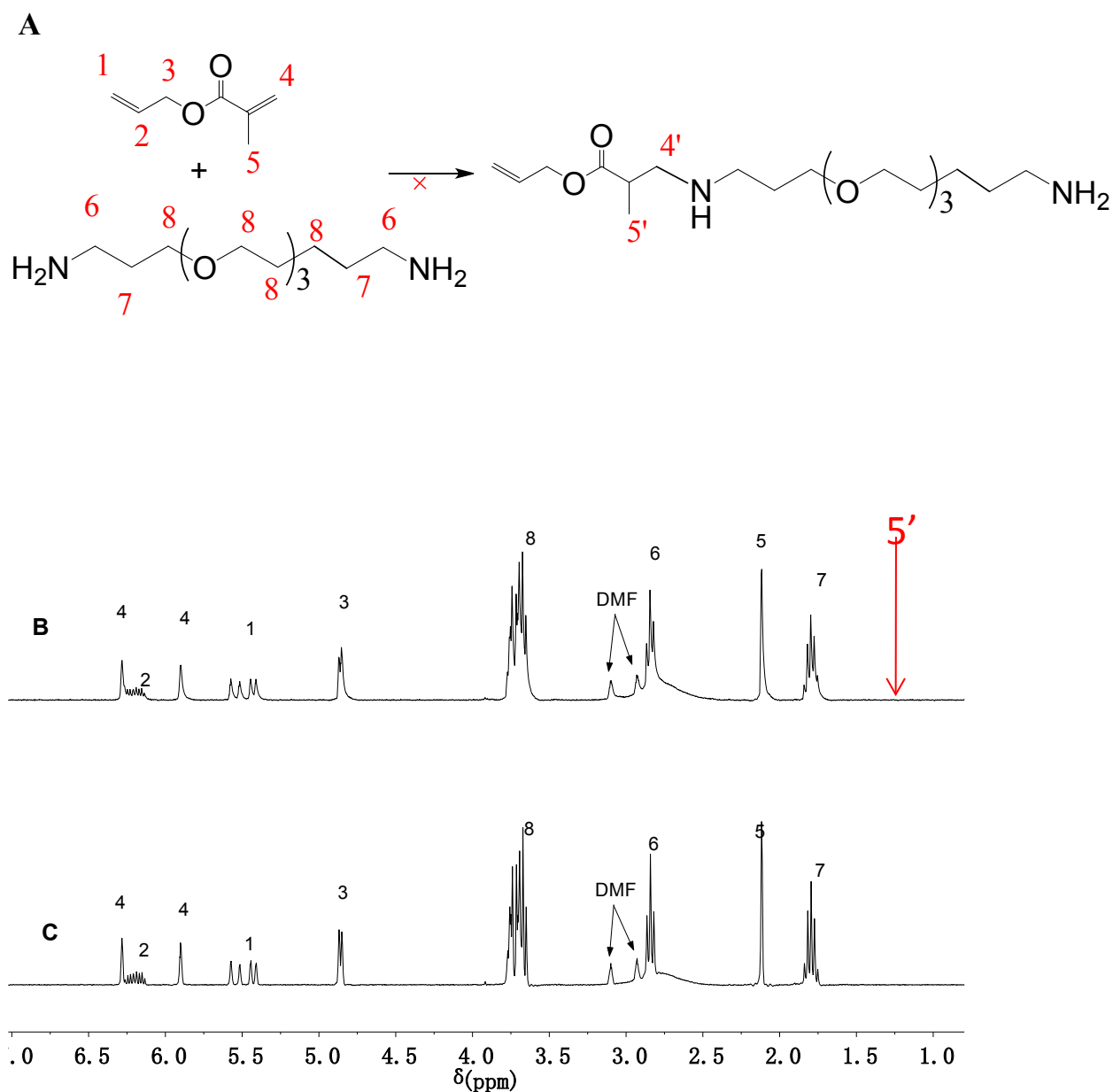


Figure S1. A. The reaction of allyl methacrylate and diamine. B. ^1H NMR spectrum for the mixture of allyl methacrylate and diamine. C. ^1H NMR

spectrum for the mixture of allyl methacrylate and diamine after being heated at 45 °C for 2 hrs. Solvent is DMF-*d*₇.

A

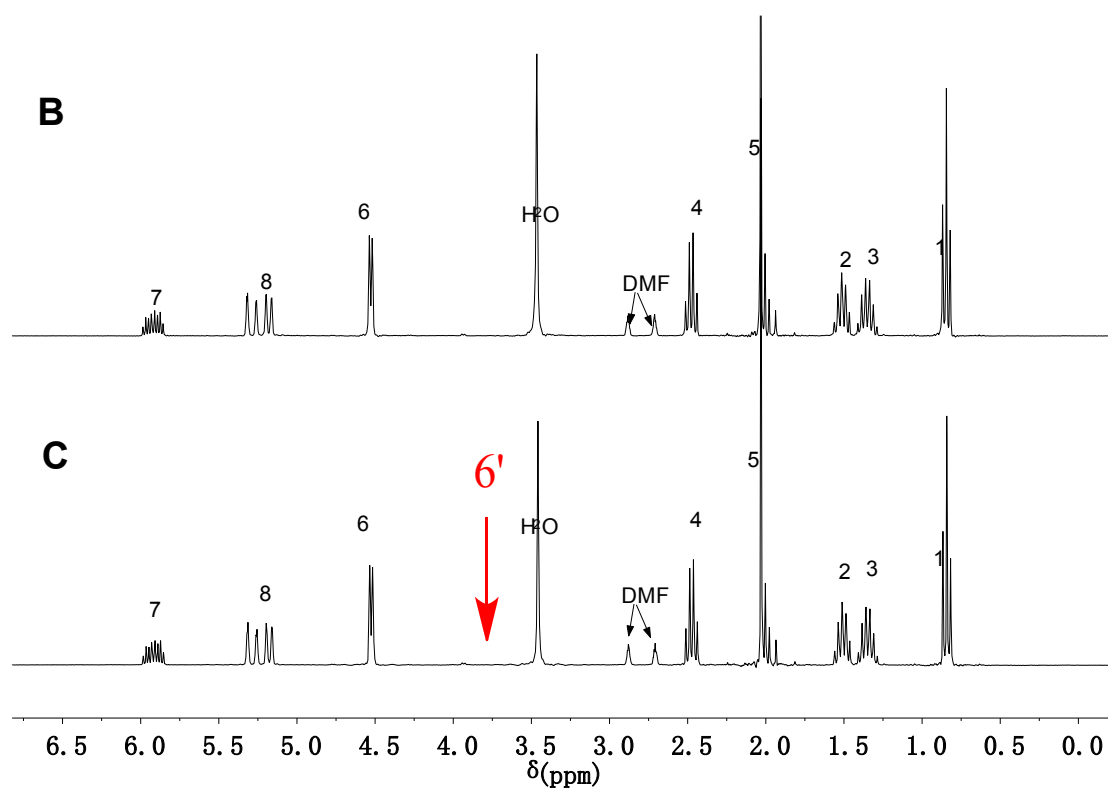
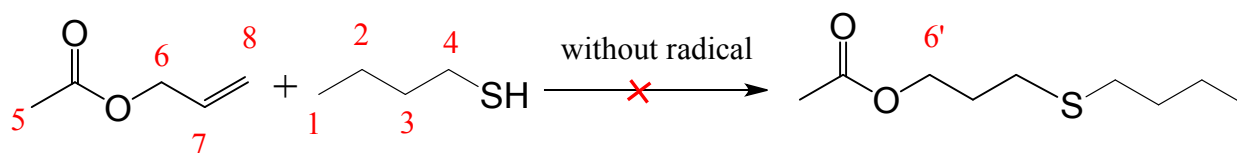


Figure S2. A. The reaction of allyl methacrylate and butane-1-thiol at molar ratio of 1:1 without free radical. B. ¹H NMR spectrum for the mixture of allyl methacrylate and butane-1-thiol without free radical. C. ¹H NMR spectrum for the mixture of allyl methacrylate and diamine butane-1-thiol without free radical after being heated at 45 °C for 2 hrs. Solvent is DMF-*d*₇.

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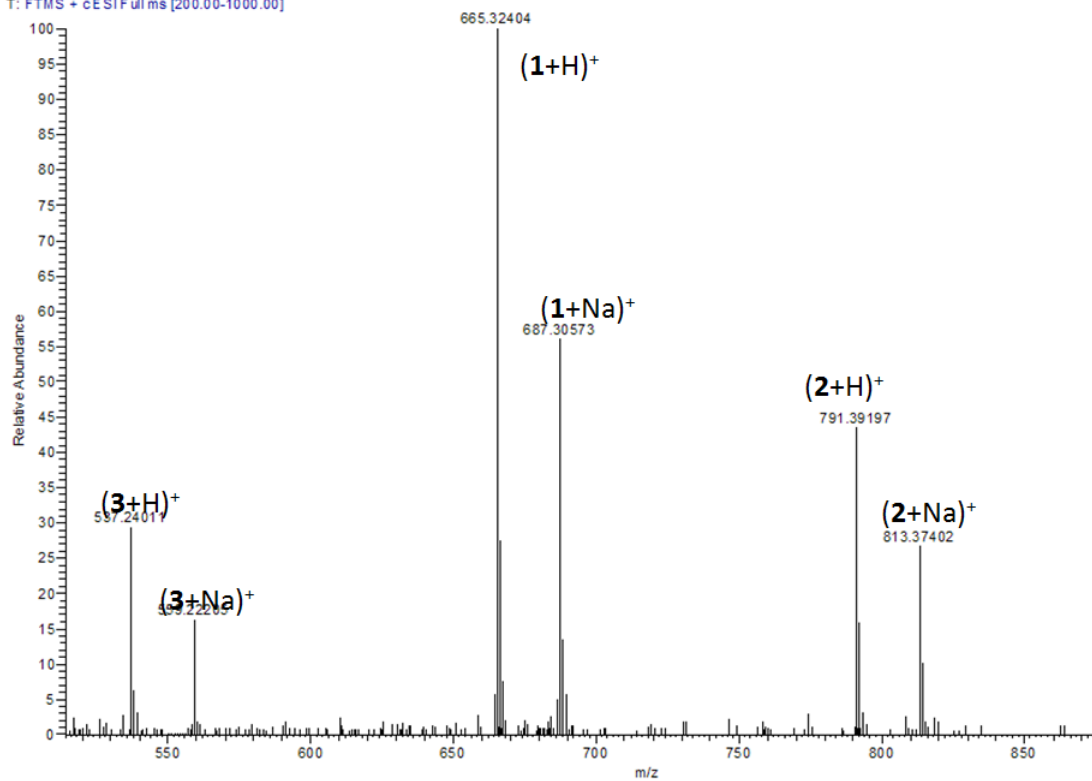


Figure S3. Mass spectrum for the intermediates of **1**, **2** and **3**.