

Supplementary Information

First Peptide/Protein PEGylation with Functional Polymers Designed by Nitroxide-Mediated Polymerization

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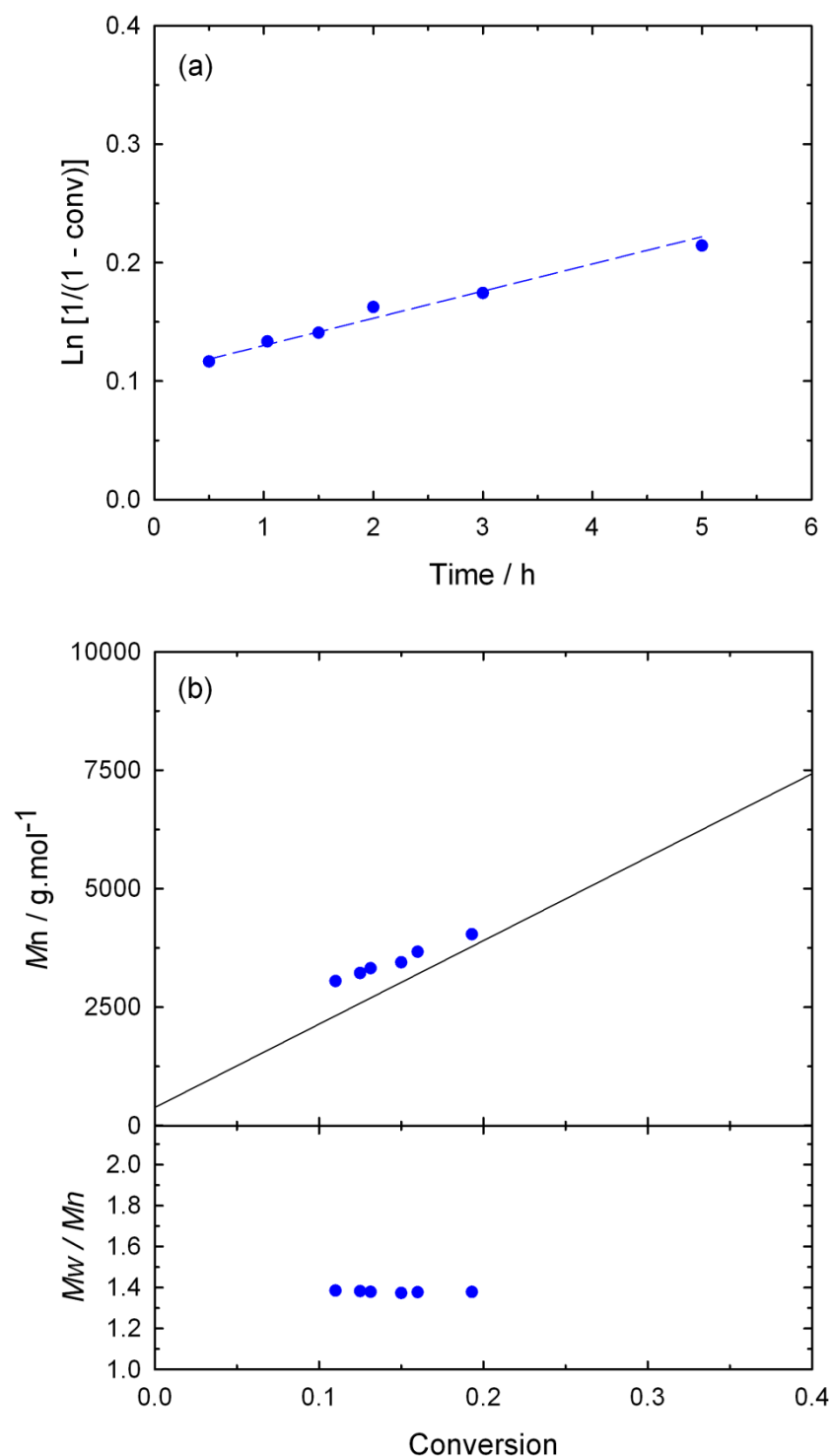


Figure S1. Synthesis of α -NHS functional poly(MePEGMA-co-AN) copolymer **P1** by SG1-mediated solution polymerization of MePEGMA with a small amount of AN ($f_{\text{AN}0} = 0.088$) initiated by the MAMA-NHS alkoxyamine (a) $\text{Ln}[1/(1 - \text{conv.})]$ vs. time (conv. = MePEGMA conversion); (b) number-average molar mass, M_n , and polydispersity index, M_w/M_n , vs. conversion; the full line represents the theoretical M_n .

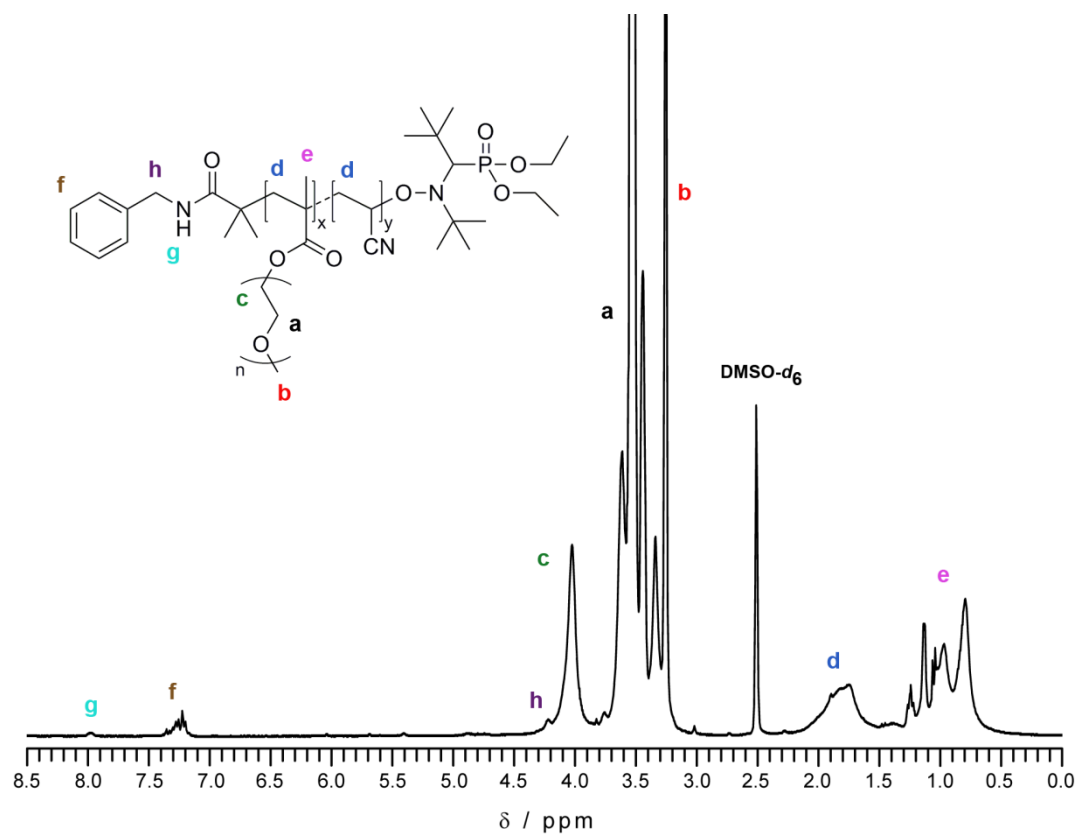


Figure S2. ^1H NMR spectrum in $\text{DMSO}-d_6$ of purified benzylamine-poly(MePEGMA-co-AN) copolymer.