Electronic Supplementary Information

Polyethylene-glycol-modified Zwitterionic Polymers assisted Protein Aggregation Arrest and Refolding

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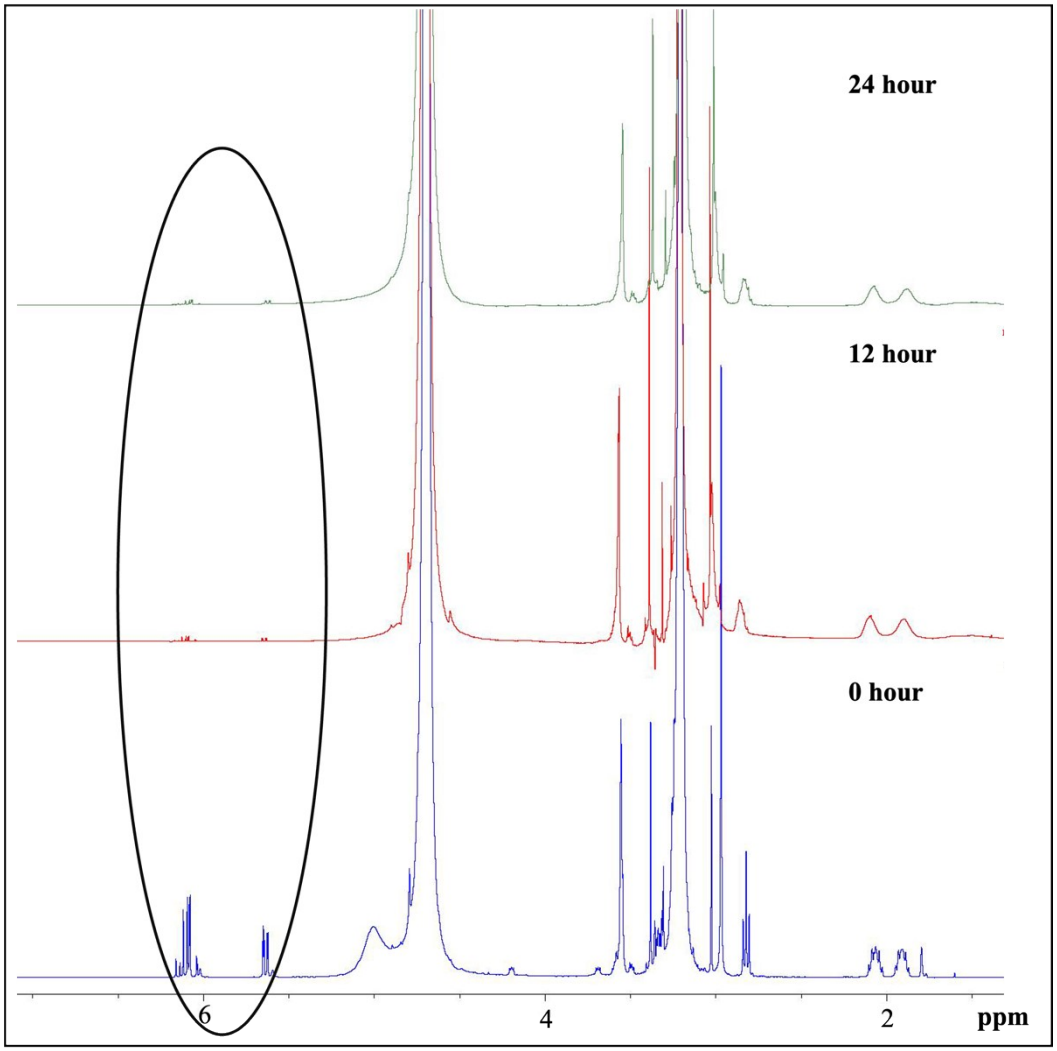


Fig. S1 Periodic ^{1}H-NMR spectra (in deuterium oxide) of p-(SPB-r-PGMA) for evaluation of conversion rate. The disappearance of vinyl peaks suggests the conversion of the monomer.

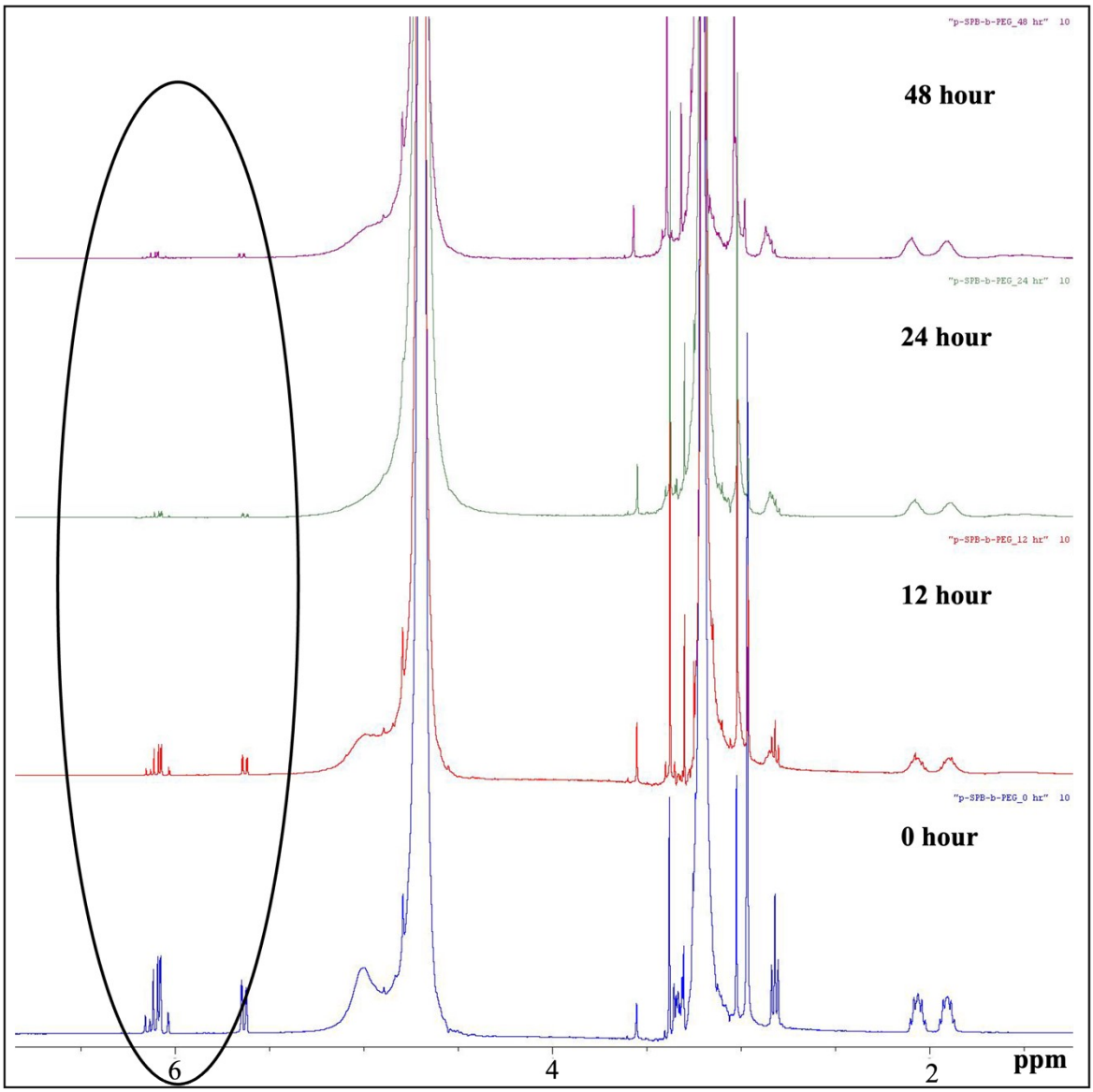


Fig. S2 Periodic ^{1}H-NMR spectra (in deuterium oxide) of p-SPB-b-PEG for evaluation of conversion rate. The disappearance of vinyl peaks suggests the conversion of the monomer.

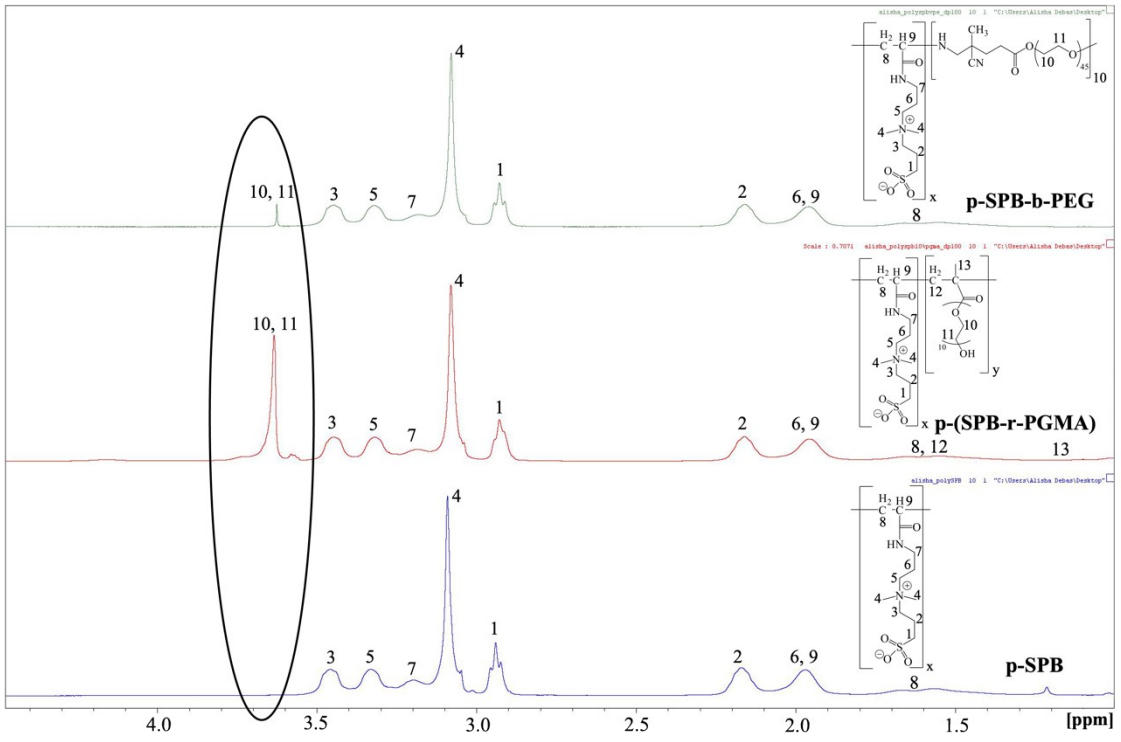


Fig. S3 [1]H-NMR spectra (in deuterium oxide) of polymers showing incorporation of PEG group into poly-SPB.

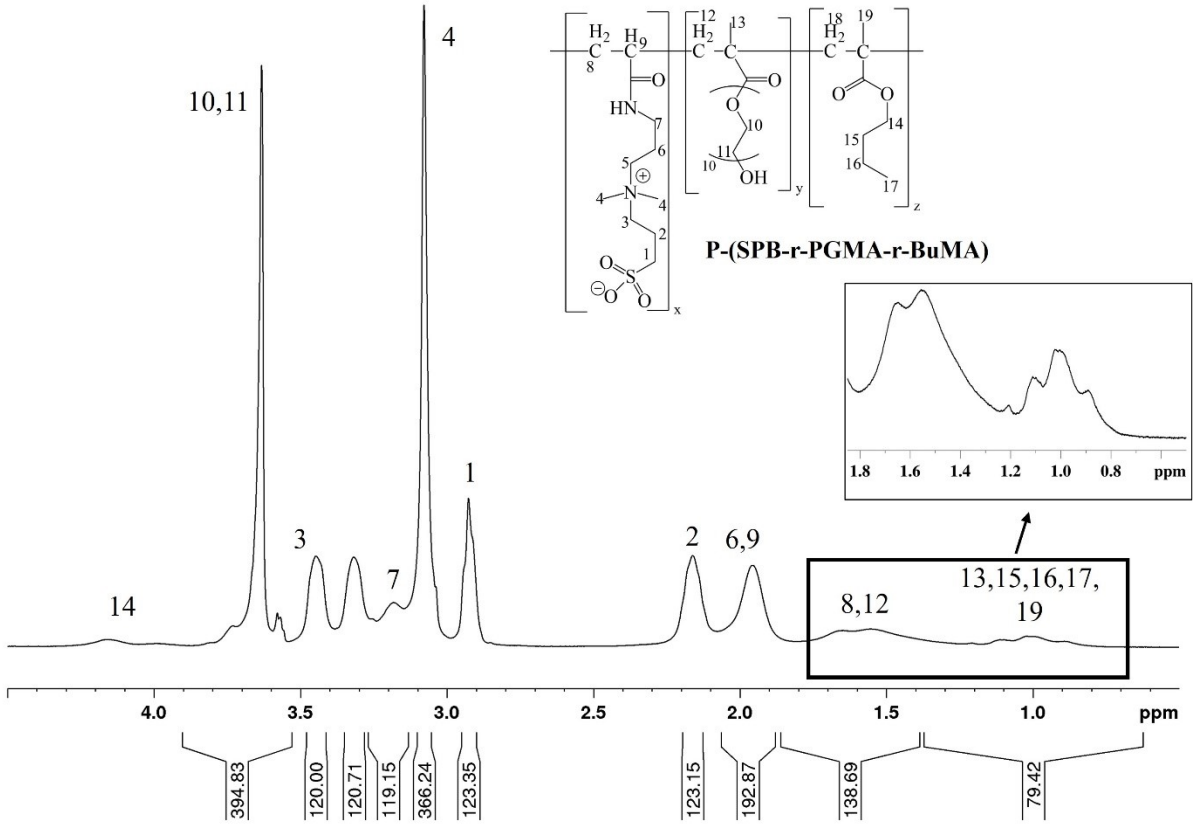


Fig. S4 [1]H-NMR spectrum (in deuterium oxide) of poly-SPB with PGMA and BuMA side groups.

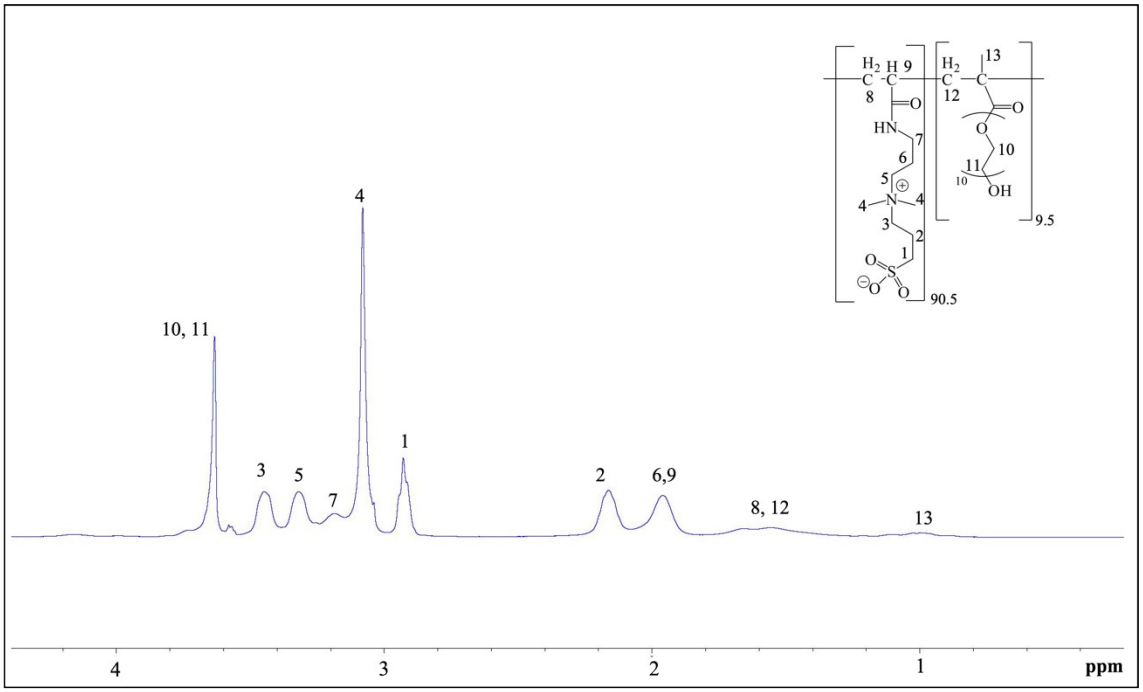


Fig. S5 ^{1}H-NMR spectrum (in deuterium oxide) of p-(SPB-10% PGMA) (DP60) **[R1]**.

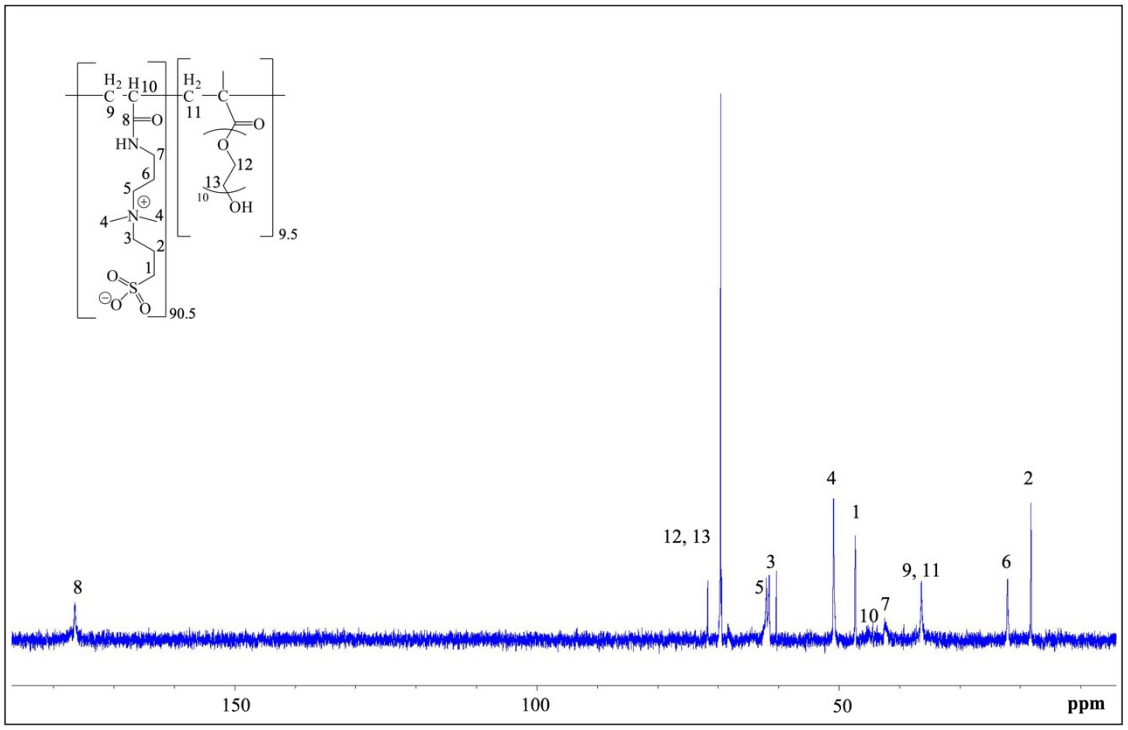


Fig. S6 ^{13}C-NMR spectrum (in deuterium oxide) of p-(SPB-10% PGMA) (DP60) **[R1]**.

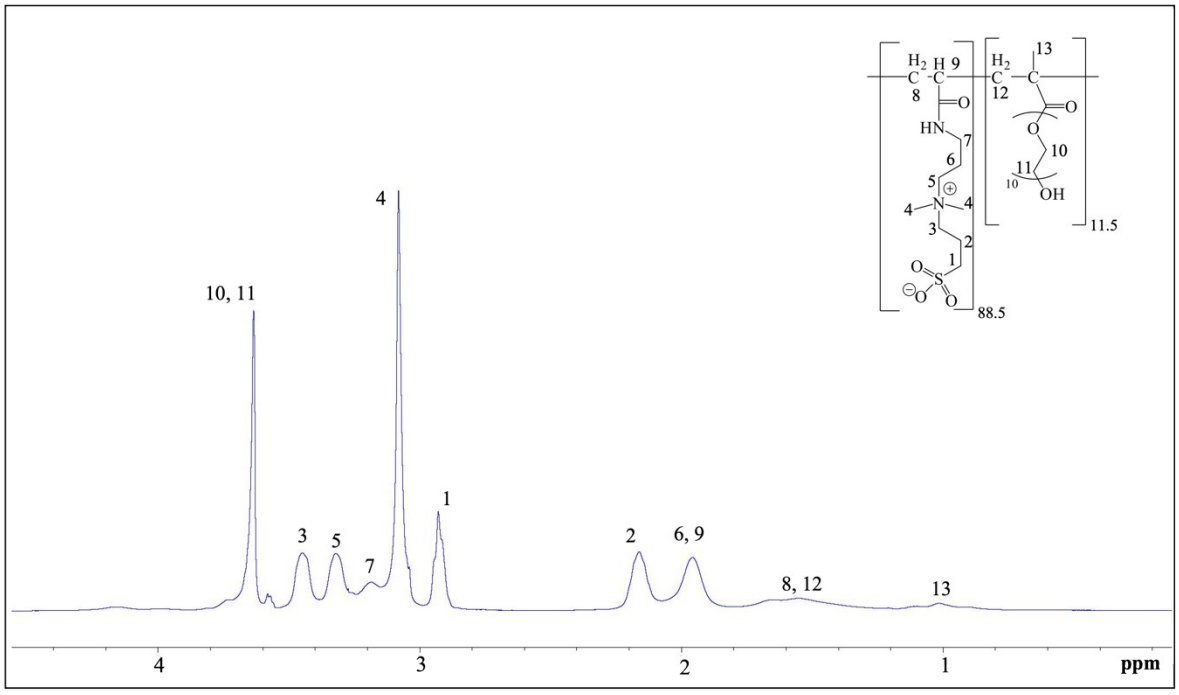


Fig. S7 ^{1}H-NMR spectrum (in deuterium oxide) of p-(SPB-10% PGMA) (DP100) **[R2]**.

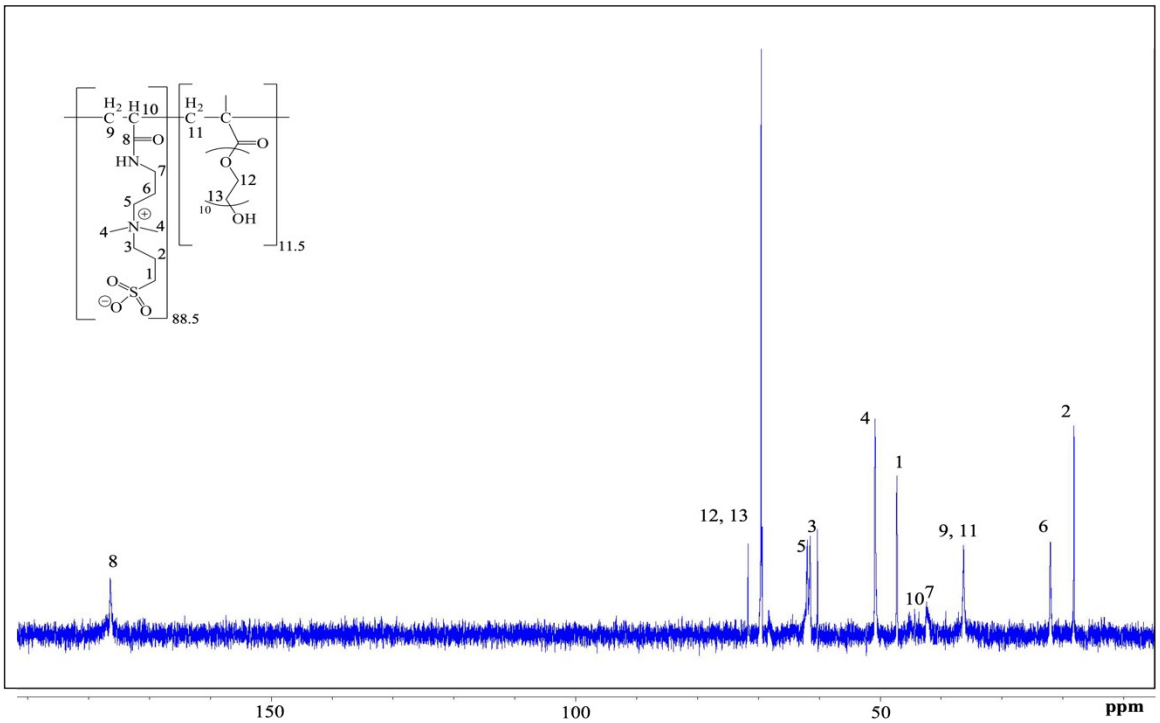


Fig. S8 ^{13}C-NMR spectrum (in deuterium oxide) of p-(SPB-10% PGMA) (DP100) **[R2]**.

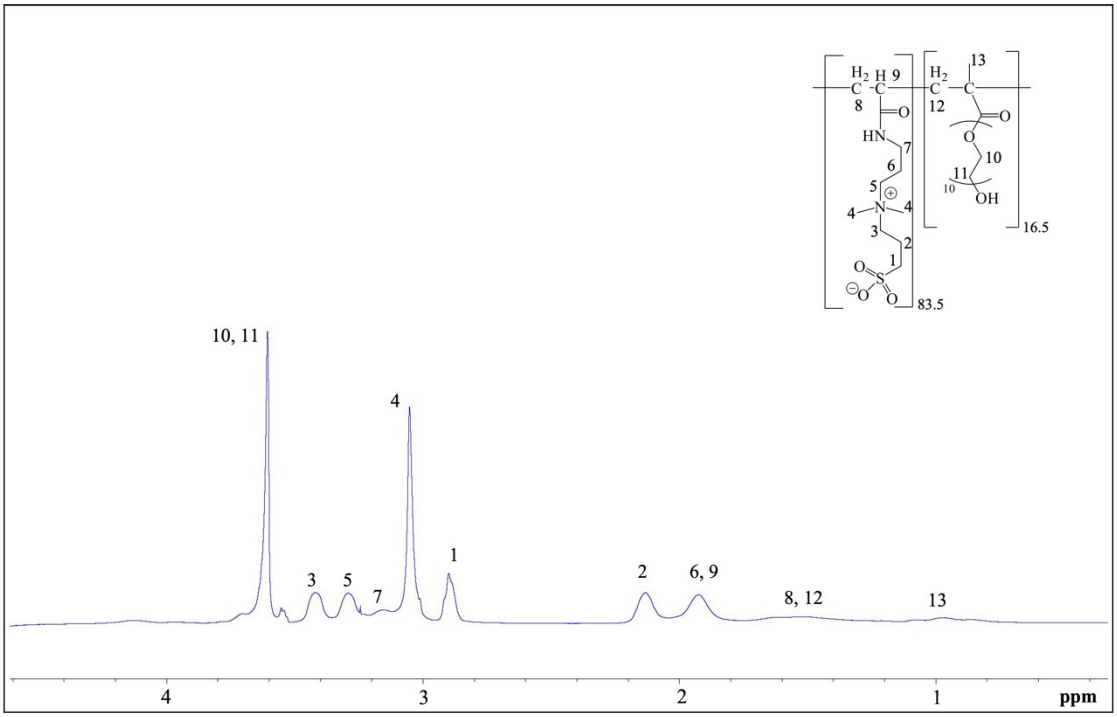


Fig. S9 ^{1}H-NMR spectrum (in deuterium oxide) of p-(SPB-15% PGMA) (DP60) **[R3]**.

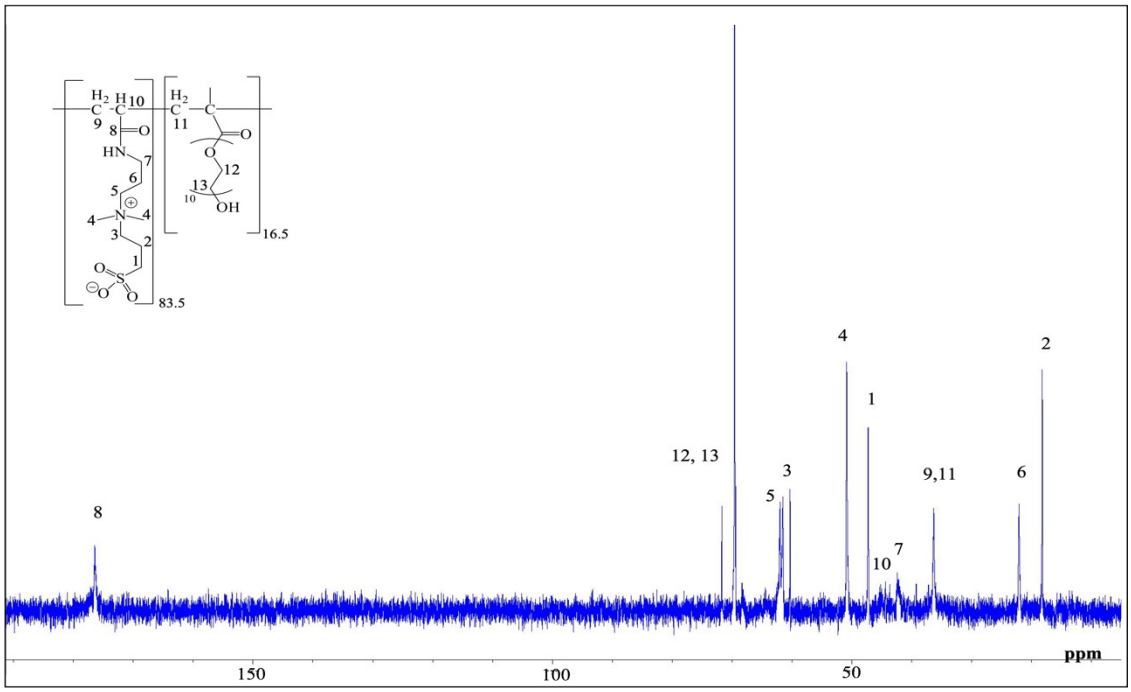


Fig. S10 ^{13}C-NMR spectrum (in deuterium oxide) of p-(SPB-15% PGMA) (DP60) **[R3]**.

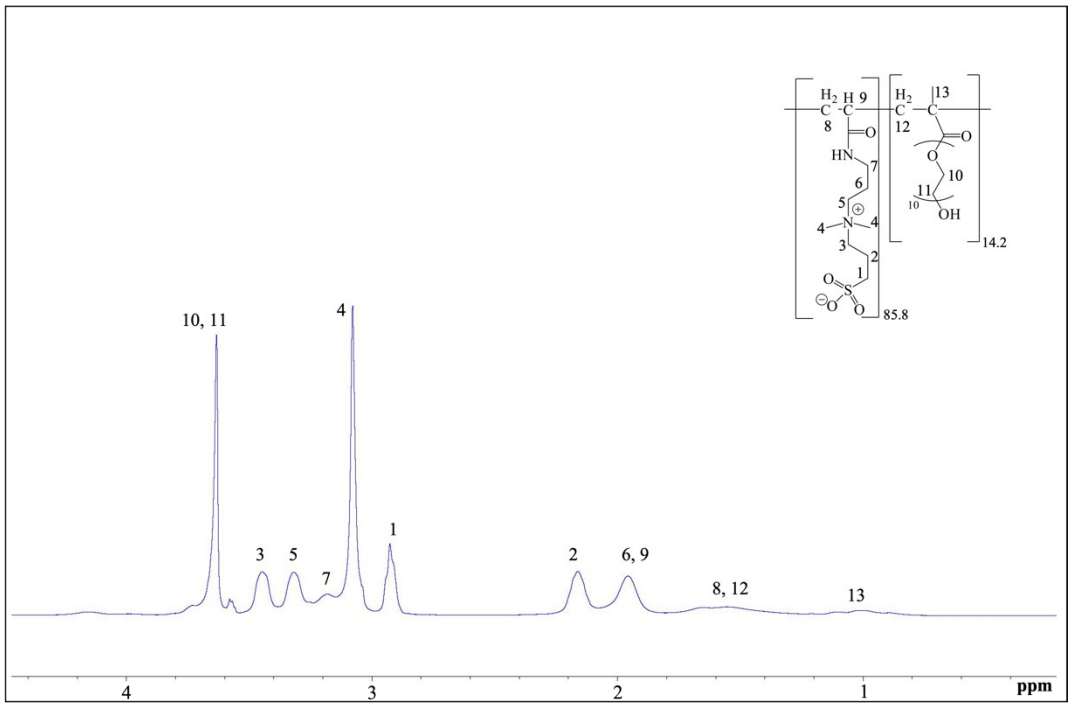


Fig. S11 ^{1}H-NMR spectrum (in deuterium oxide) of p-(SPB-15% PGMA) (DP100) **[R4]**.

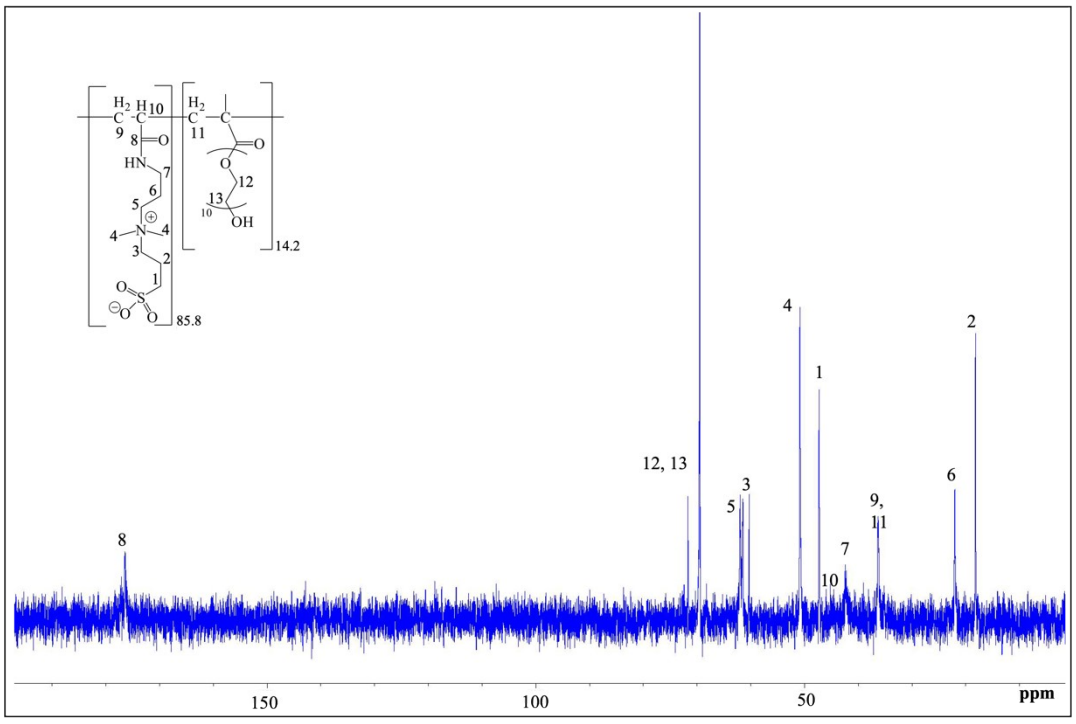


Fig. S12 ^{13}C-NMR spectrum (in deuterium oxide) of p-(SPB-15% PGMA) (DP100) **[R4]**.

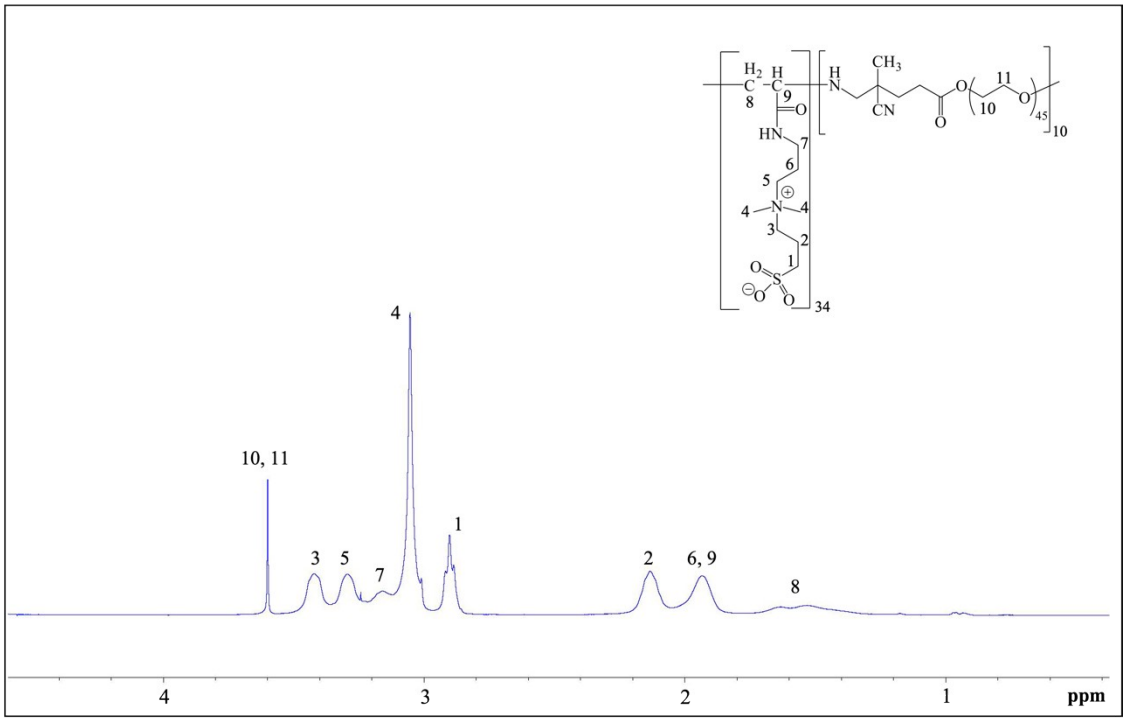


Fig. S13 ^{1}H-NMR spectrum (in deuterium oxide) of p-SPB-b-PEG (DP60) **[B1]**.

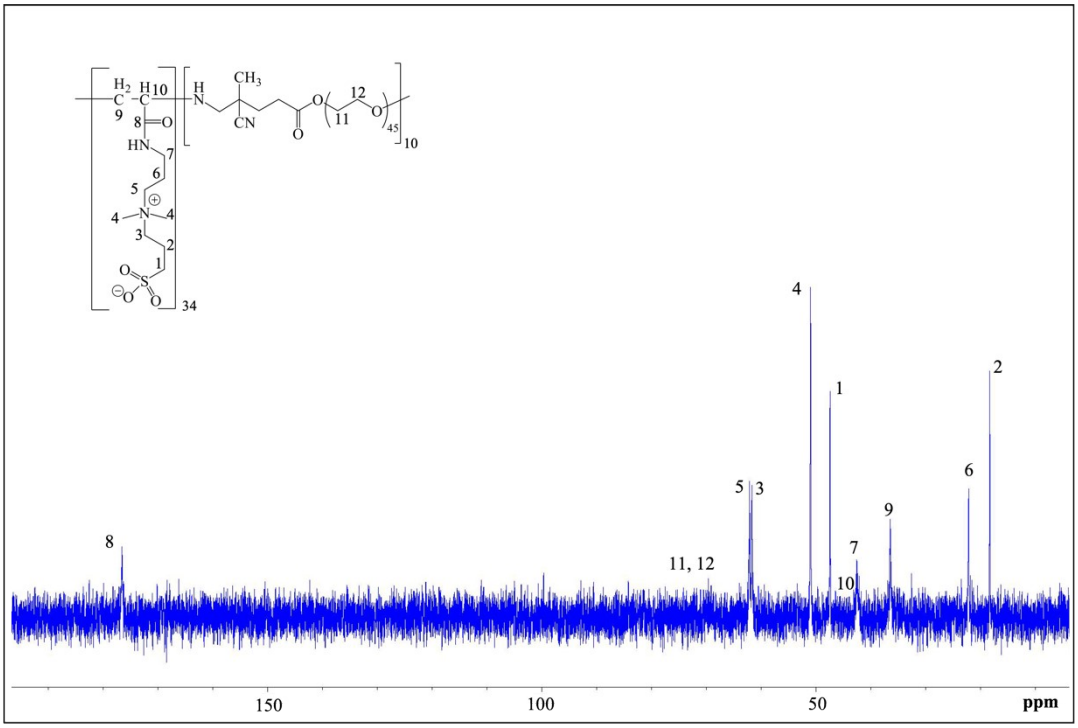


Fig. S14 ^{13}C-NMR spectrum (in deuterium oxide) of p-SPB-b-PEG (DP60) **[B1]**.

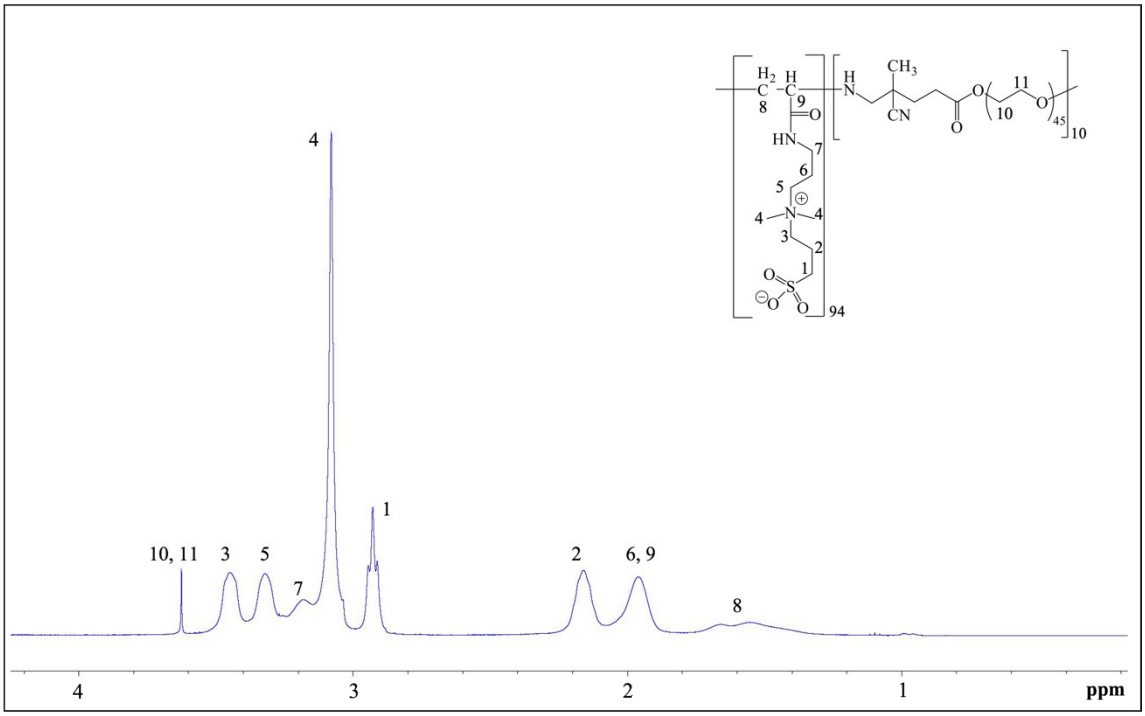
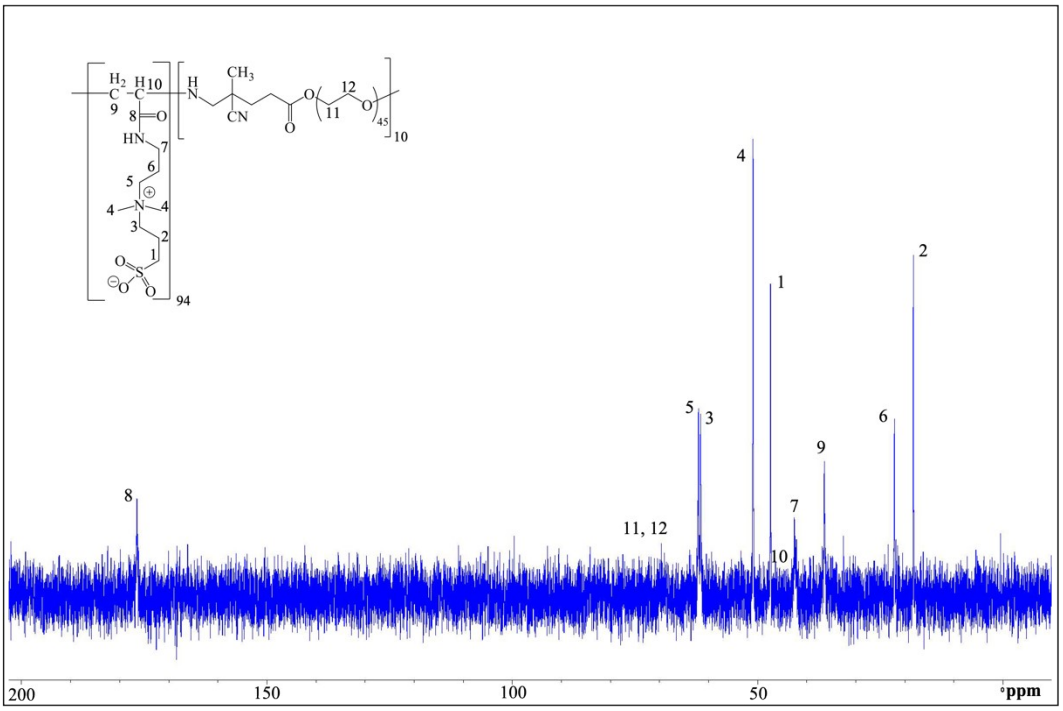


Fig. S15 ^{1}H-NMR spectrum (in deuterium oxide) of p-SPB-b-PEG (DP100) **[B2]**.

Fig. S16 ^{13}C-NMR spectrum (in deuterium oxide) of p-SPB-b-PEG (DP100) **[B2]**.



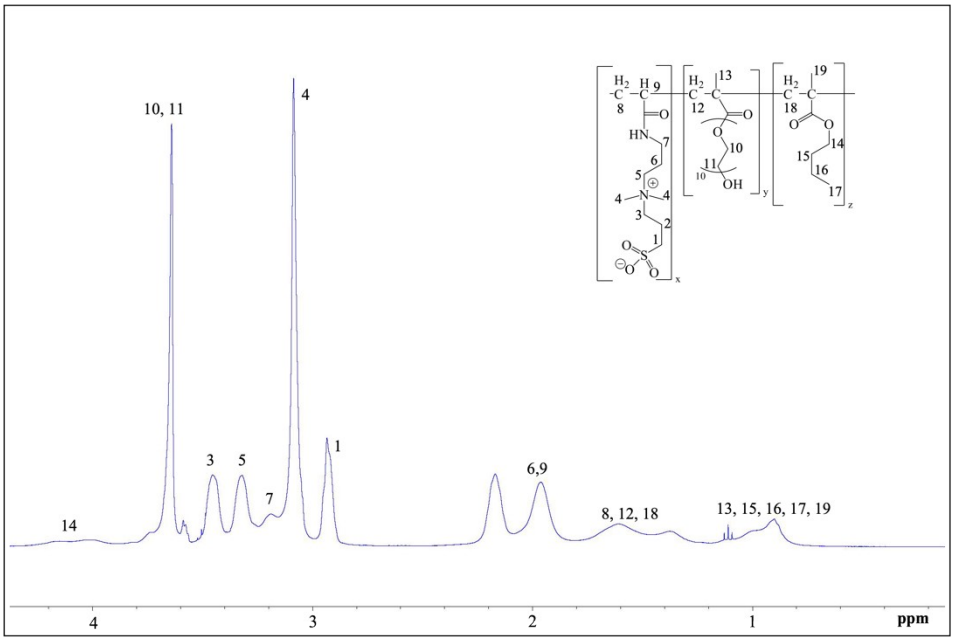


Fig. S17 ^{1}H-NMR spectrum (in deuterium oxide) of p-(SPB-15%PGMA-10%BuMA) (DP60) **[T1]**.

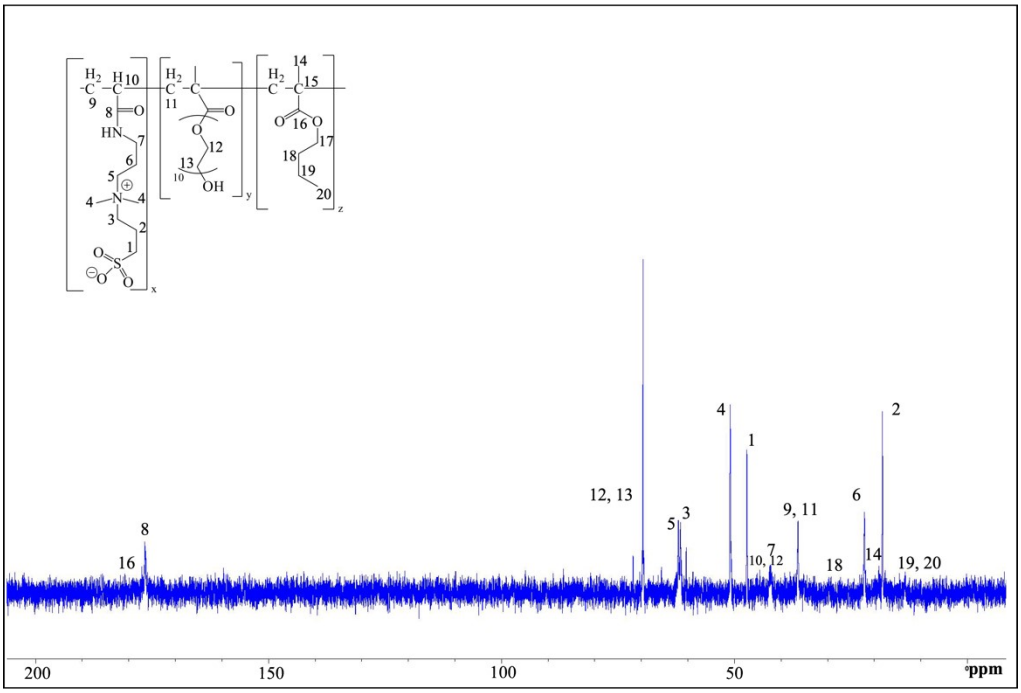


Fig. S18 ^{13}C-NMR spectrum (in deuterium oxide) of p-(SPB-15%PGMA-10%BuMA) (DP60) **[T1]**.

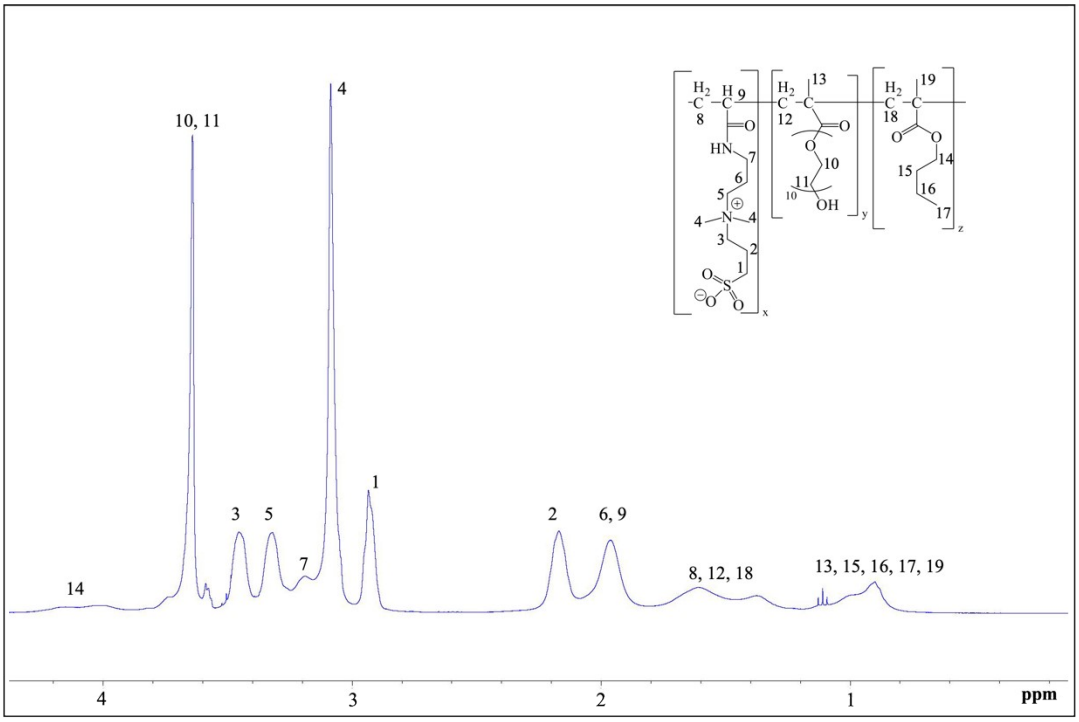


Fig. S19 ^{1}H-NMR spectrum (in deuterium oxide) of p-(SPB-15%PGMA-10%BuMA) (DP100) **[T2]**.

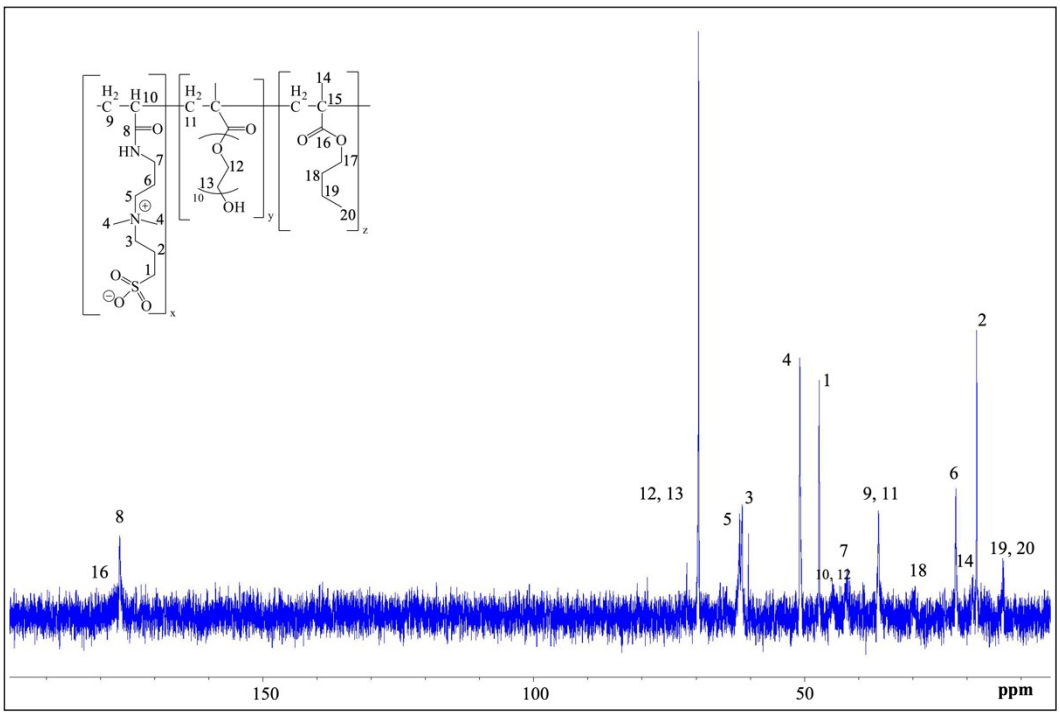


Fig. S20 ^{13}C-NMR spectrum (in deuterium oxide) of p-(SPB-15%PGMA-10%BuMA) (DP100) **[T2]**.

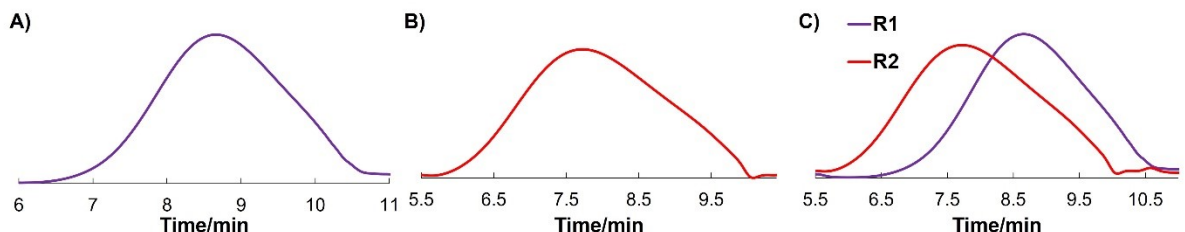


Fig. S21 GPC elution curves of A) R1, B) R2, C) Comparison of R1 and R2, D) R3, E) R4, F) Comparison of R3 and R4, G) B1, H) B2, I) Comparison of B1 and B2, J) T1, K) T2, and L) Comparison of T1 and T2, using an aqueous 0.1 M NaBr solution (pH 7.4) as the mobile phase.