Electronic Supplementary Material (ESI) for Polymer Chemistry

Polysaccharide-stabilized Core Cross-linked Polymer Micelle Analogues†

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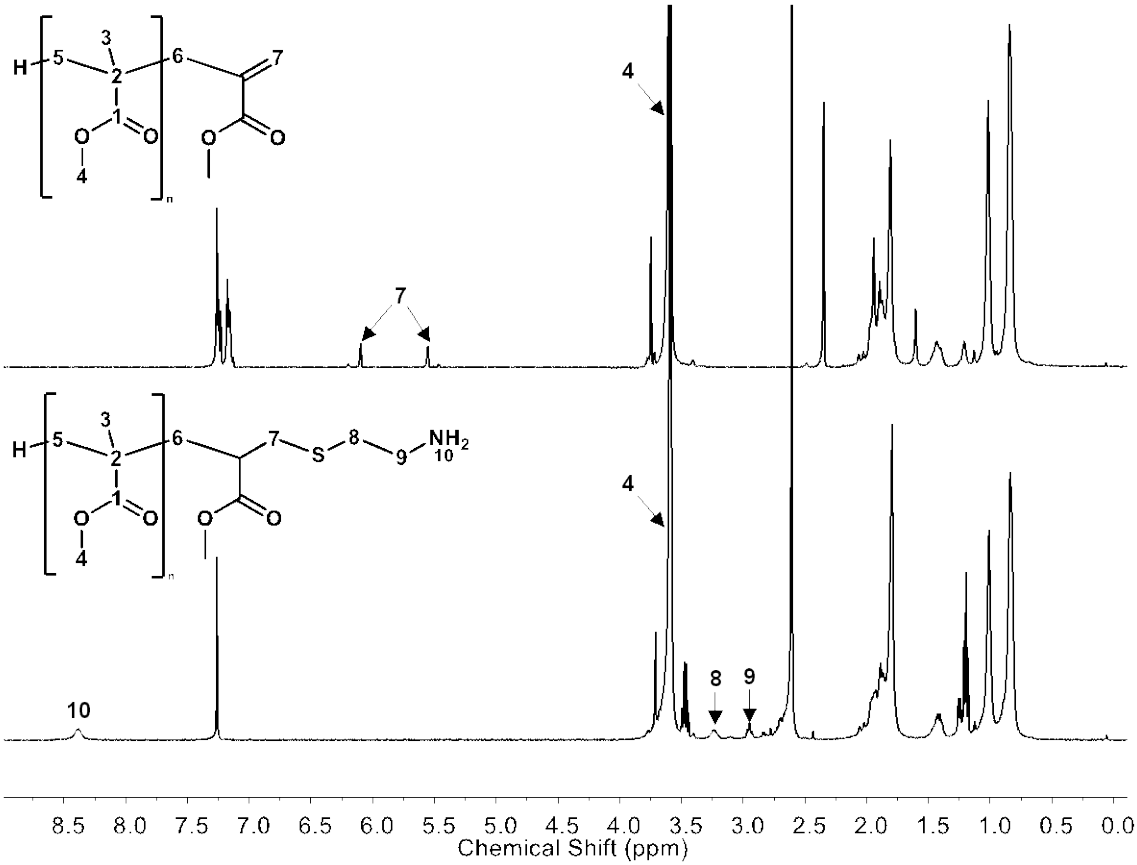

Fig. S1 ^{1}H-NMR ($CDCl_3$) spectra of L1 before (top) and after (bottom) thiol-Michael addition chemistry with cysteamine hydrochloride.

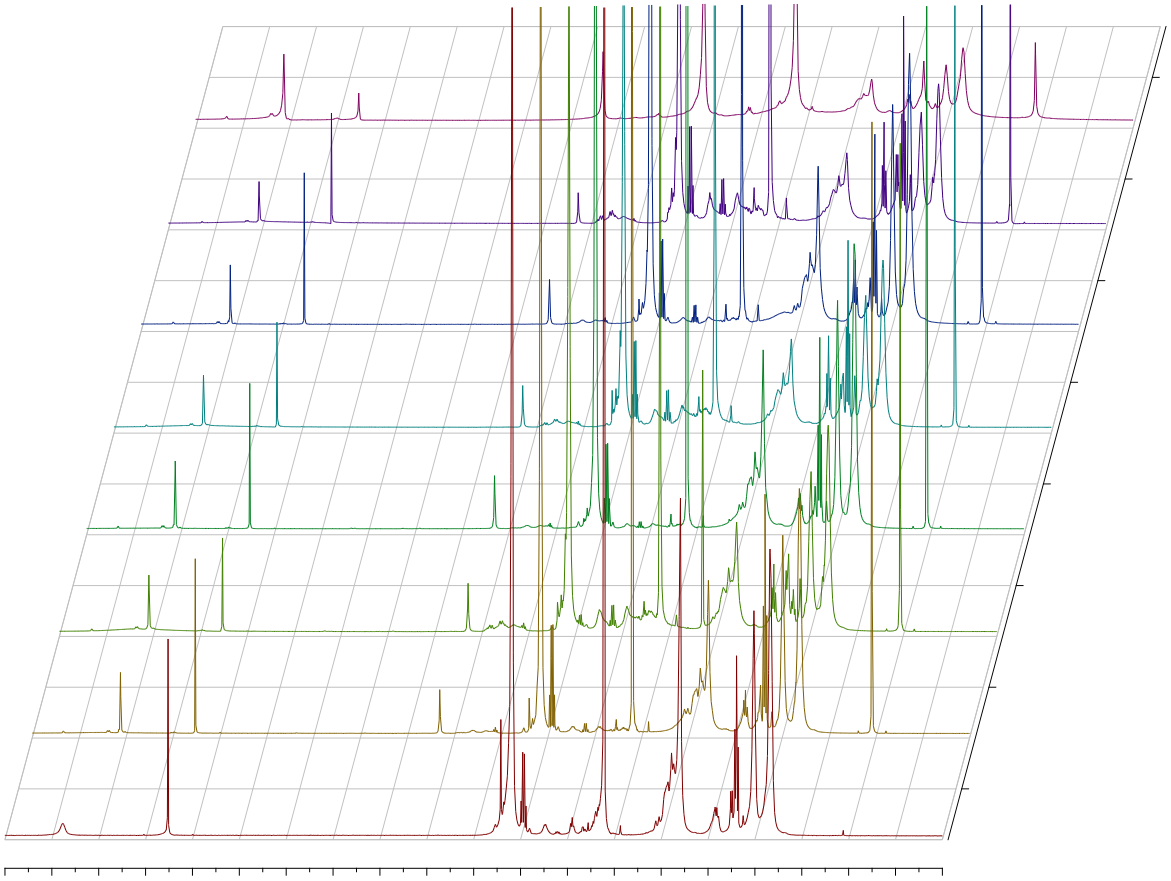

Fig. S2 ^{1}H-NMR ($CDCl_3$) spectra of the linear (L1 = 1) and hyperbranched polymers (H1 = 2, H2 = 3, H3 = 4, H4 = 5, H5 = 6, H6 = 7 and H7 = 8) after thiol-Michael addition chemistry with cysteamine hydrochloride.

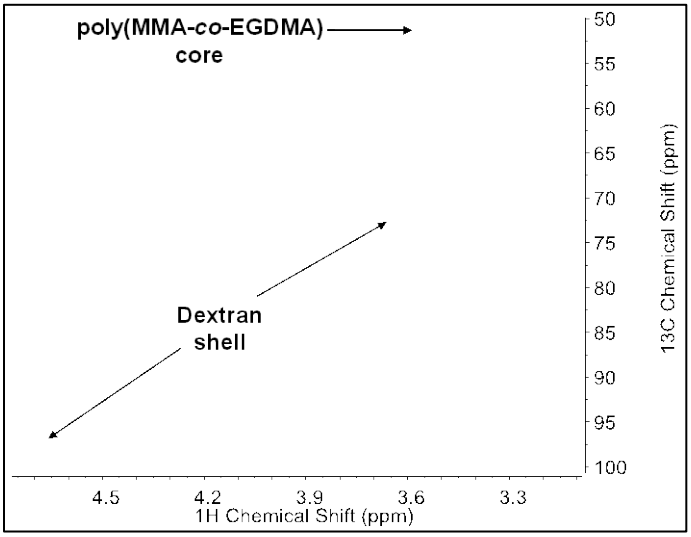

Fig. S3 2D HSQC NMR (DMSO-d6) spectrum of H6-CA-DEX after extensive dialysis and lyophilization showing carbon-coupled protons from both the core (methoxy protons) and shell (backbone dextran protons) components.

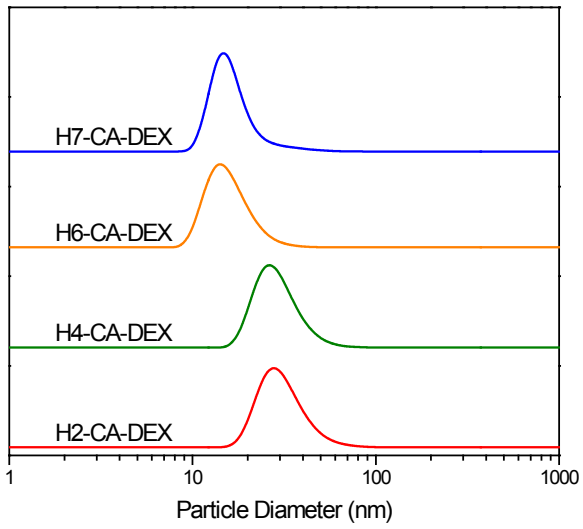

Fig. S4 Number-average particle size distributions as measured by DLS

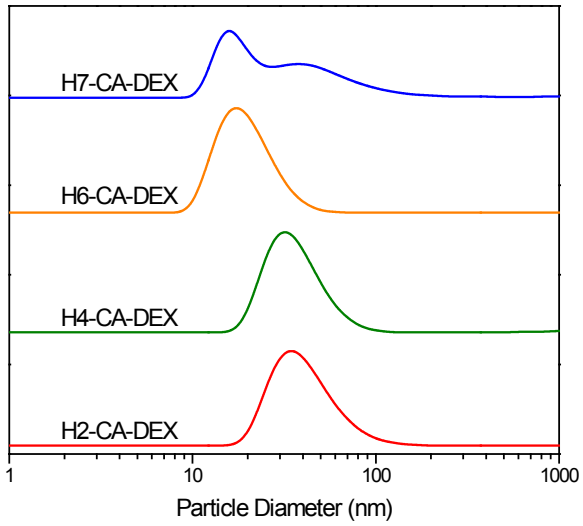

Fig. S5 Volume-average particle size distributions as measured by DLS

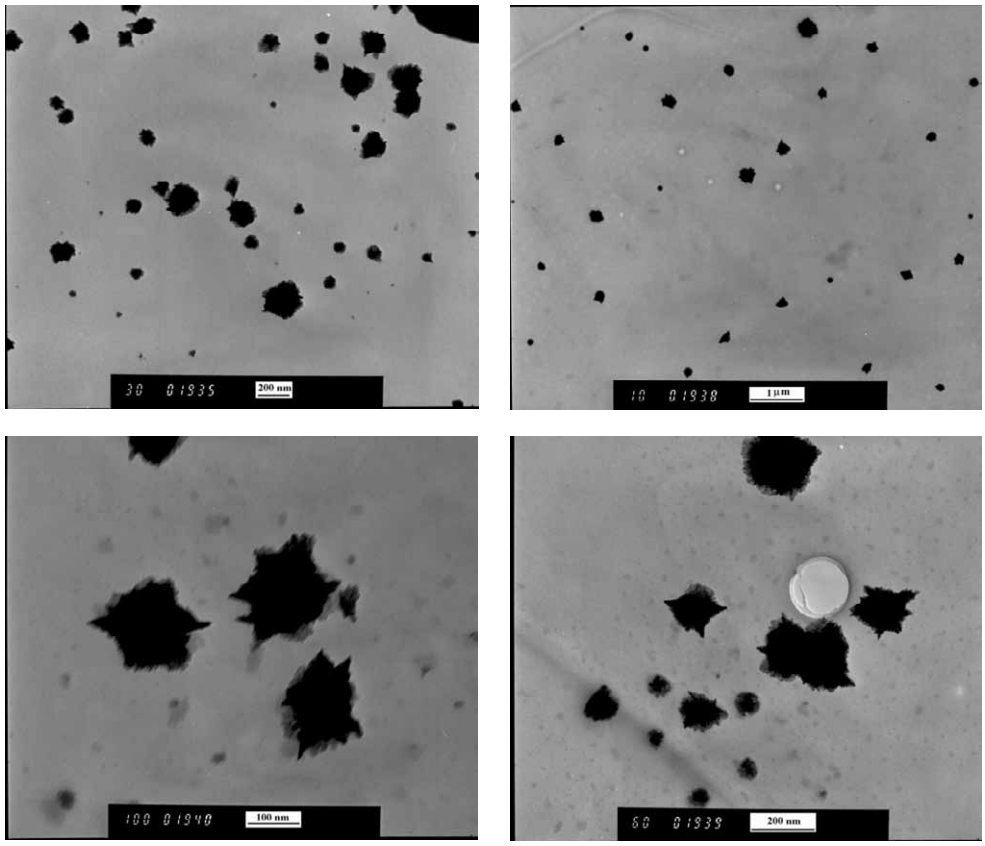

Fig. S6 TEM micrographs of H6-CA-DEX (1.0 w/w% in water) at different magnifications.