

Supporting Information

Unimolecular micelles of Camptothecin-bonded hyperbranched star copolymers via β -thiopropionate linkage: synthesis and drug delivery

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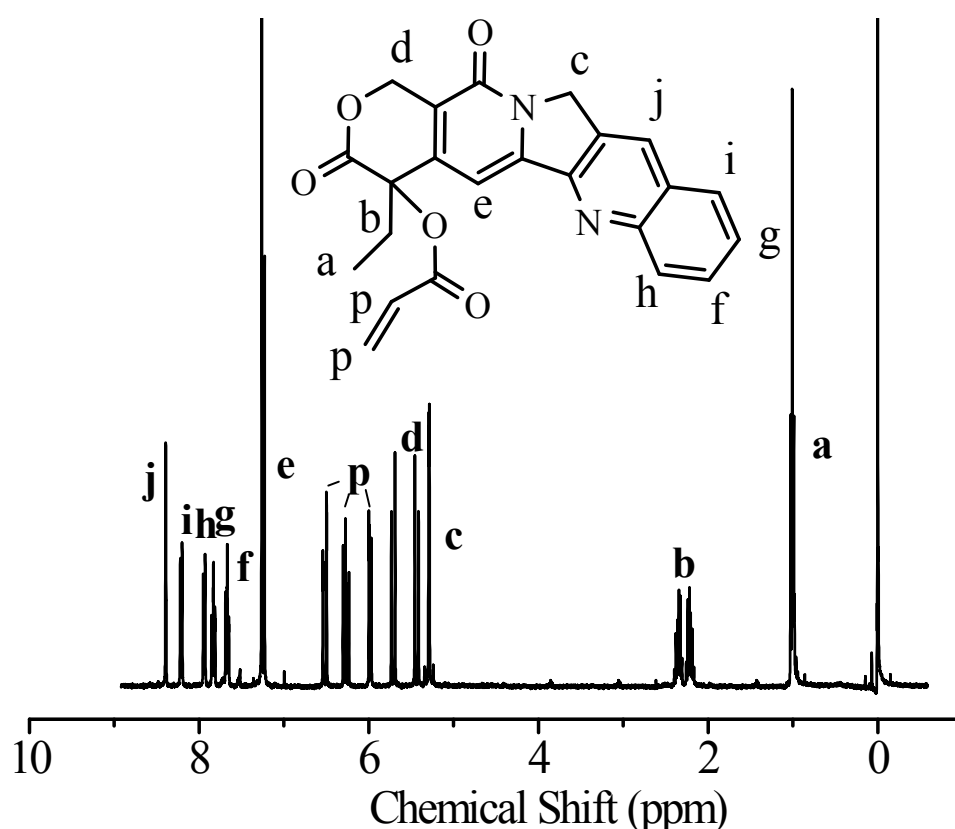


Fig. S1 ¹H NMR spectrum of acryloyl-CPT in CDCl₃.

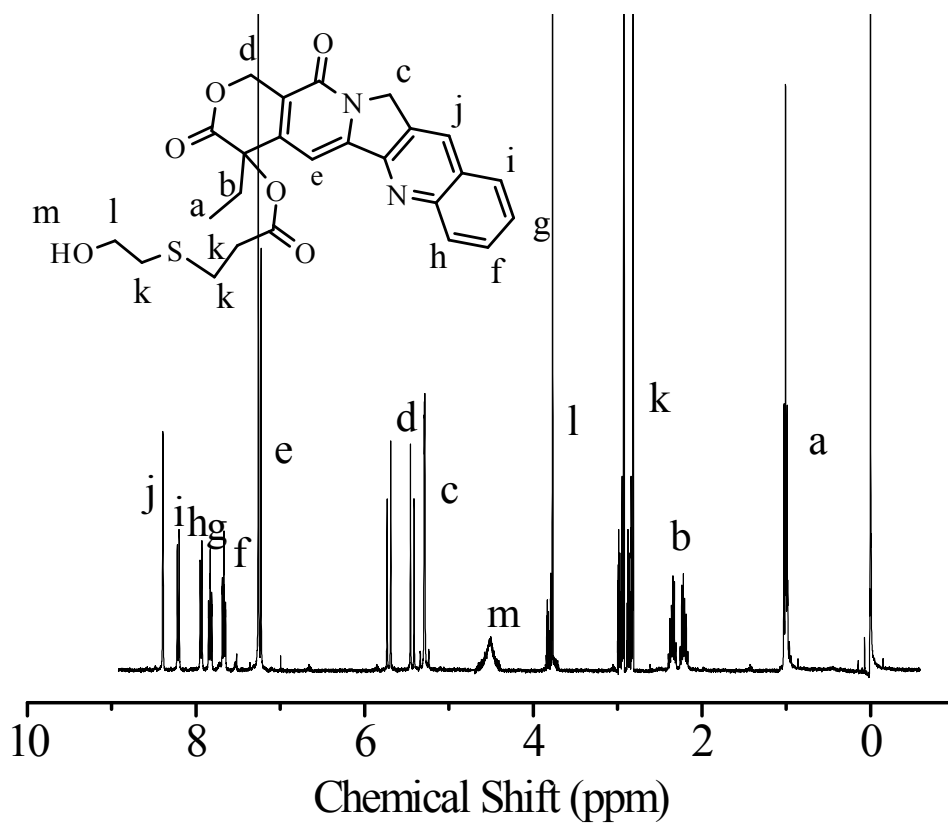


Fig. S2 ^1H NMR spectrum of 6-hydroxy-3-thiohextyoyl-CPT recorded in CDCl_3 .

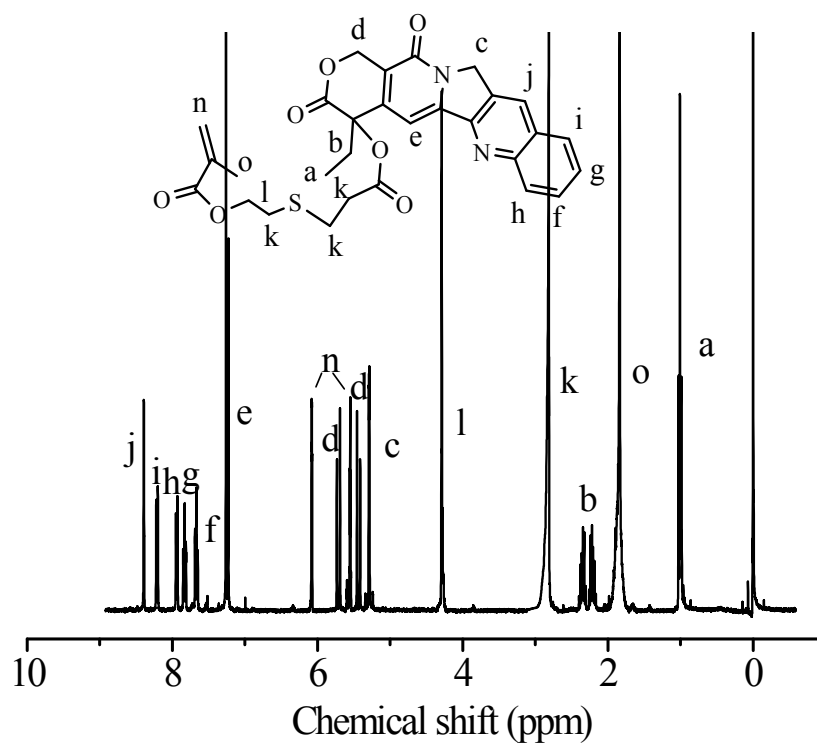


Fig. S3 ^1H NMR spectrum of methacryloyloxy-3-thiahextyloyl-CPT recorded in CDCl_3 .

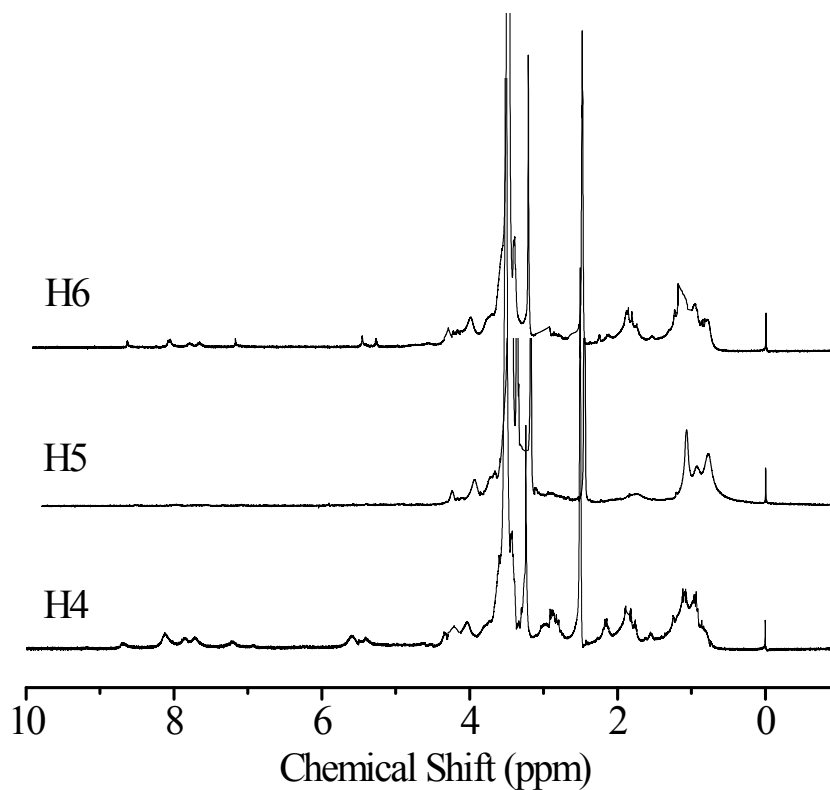


Fig. S4 ^1H NMR spectra of $\text{H}(\text{PHPMA-}co\text{-PMACPT-}co\text{-PBS}_2\text{MOE})(\text{POEGMA})_n\text{S}$, H4, H5 and H6 recorded in DMSO-d_6

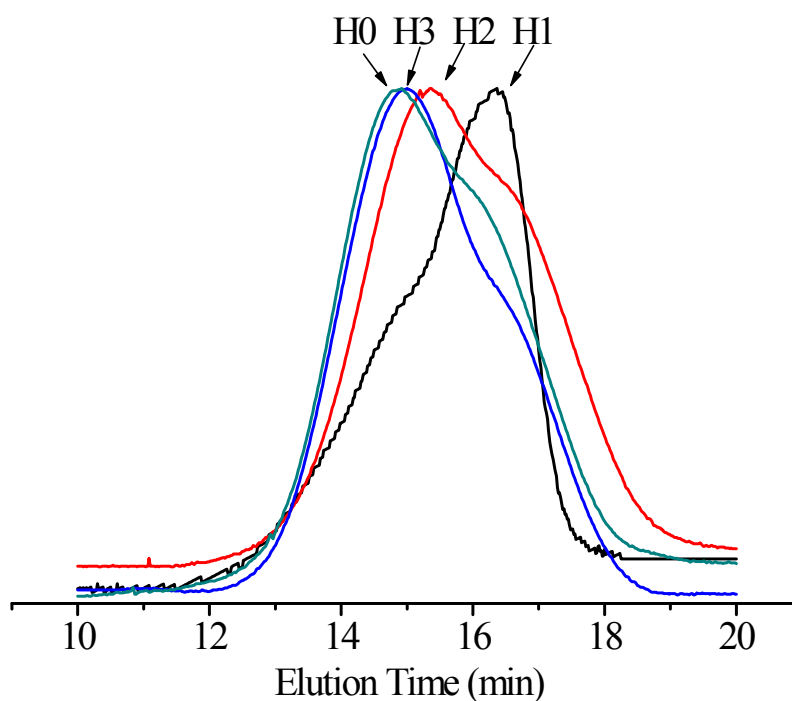


Fig. S5 GPC traces of $\text{HP}(\text{HPMA-}co\text{-BS}_2\text{MOE})$ (H0), $\text{HP}(\text{HPMA-}co\text{-MACPT-}co\text{-BS}_2\text{MOE})(\text{POEGMA})_n\text{S}$ (H1, H2 and H3) prepared by ATRP with various feed molar ratios (see Table 1).

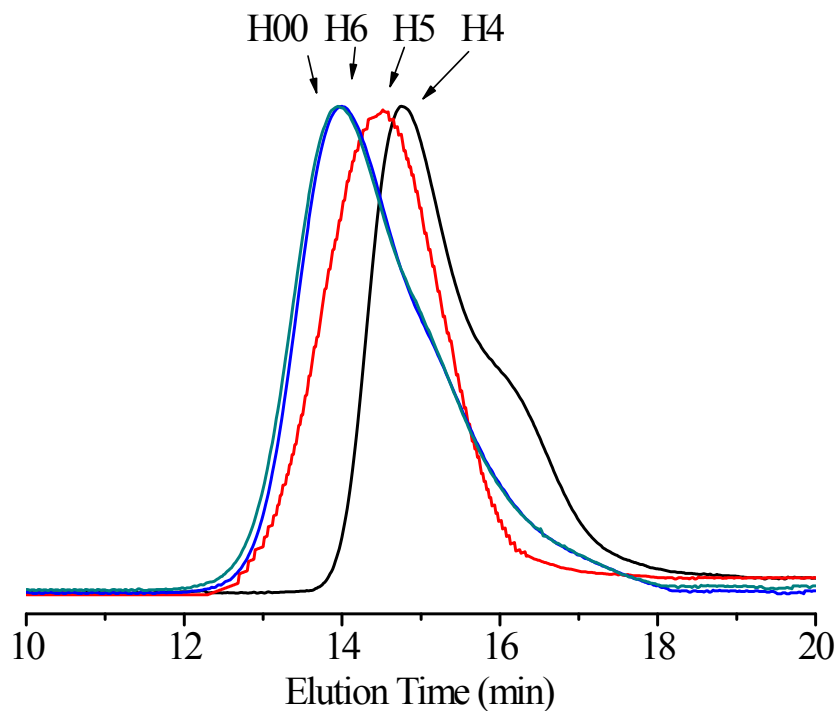


Fig S6 GPC traces of the hyperbranched star copolymers, HP(HPMA-*co*-BS₂MOE)(POEGMA)_n (H00), HP(HPMA-*co*-MACPT-*co*-BS₂MOE)(POEGMA)_ns (H4, H5 and H6) prepared by ATRP using H0, H1, H2 and H3 as macroinitiator, respectively (see Table 2).

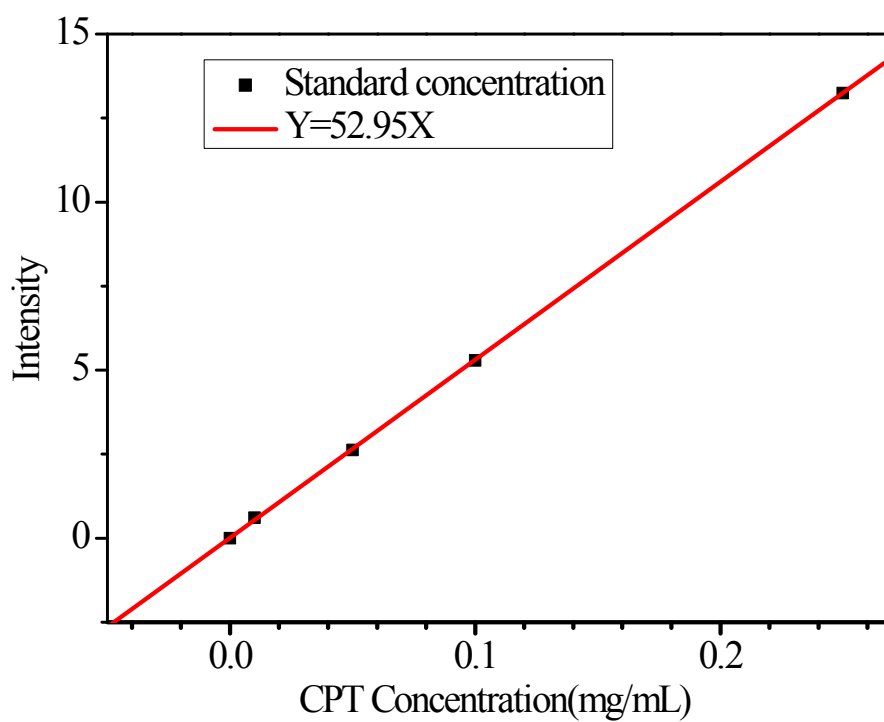


Fig. S7 Standard curve of CPT with different concentrations in DMSO.