

Supplementary Material

Folate decorated and reduction-sensitive micelles assembled from amphiphilic polymer–camptothecin conjugates for intracellular drug delivery

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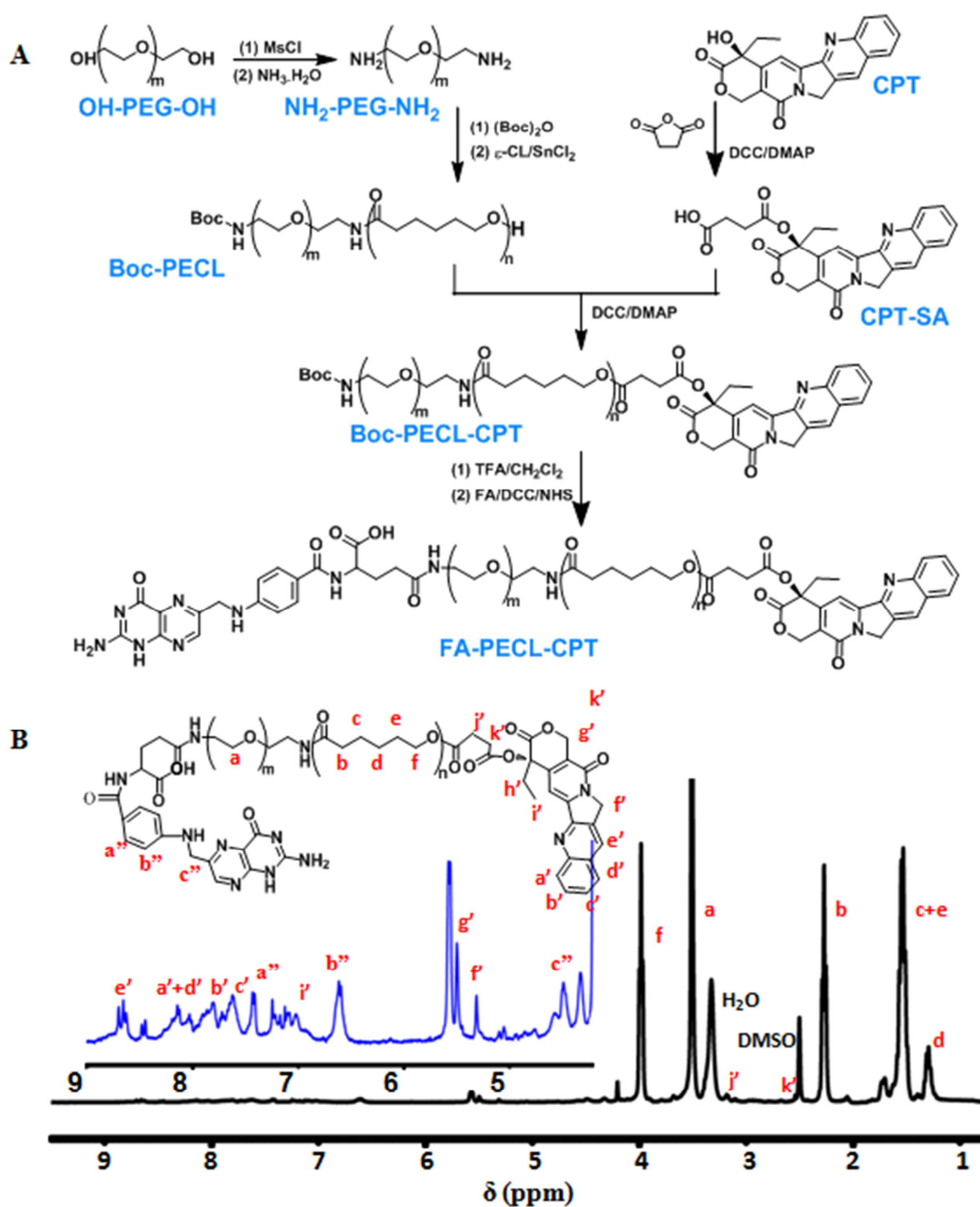


Figure S1. (A) The synthesis route and (B) ^1H -NMR spectrum of FA-decorated conjugates of amphiphilic PECL block copolymers and CPT (FA-PECL-CPT, FC).

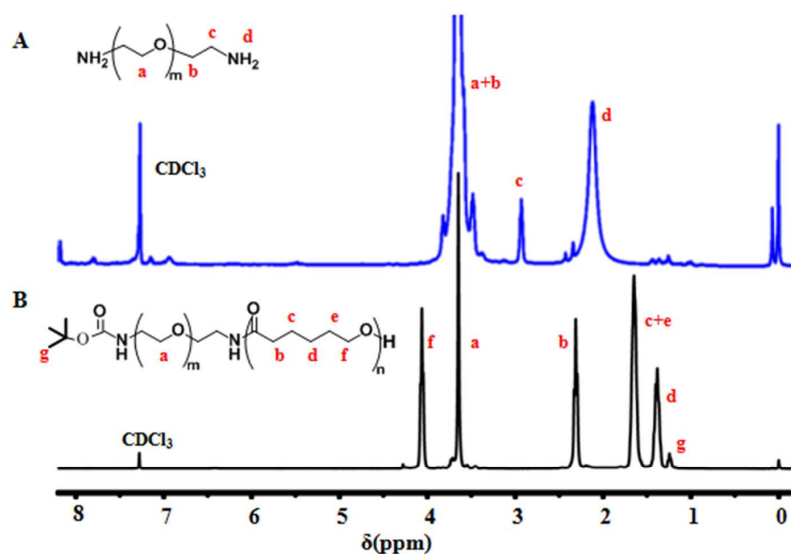


Figure S2. ¹H-NMR spectra of (A) PEG diamine (NH₂-PEG-NH₂) and (B) Boc protected PECL copolymers (Boc-PECL).

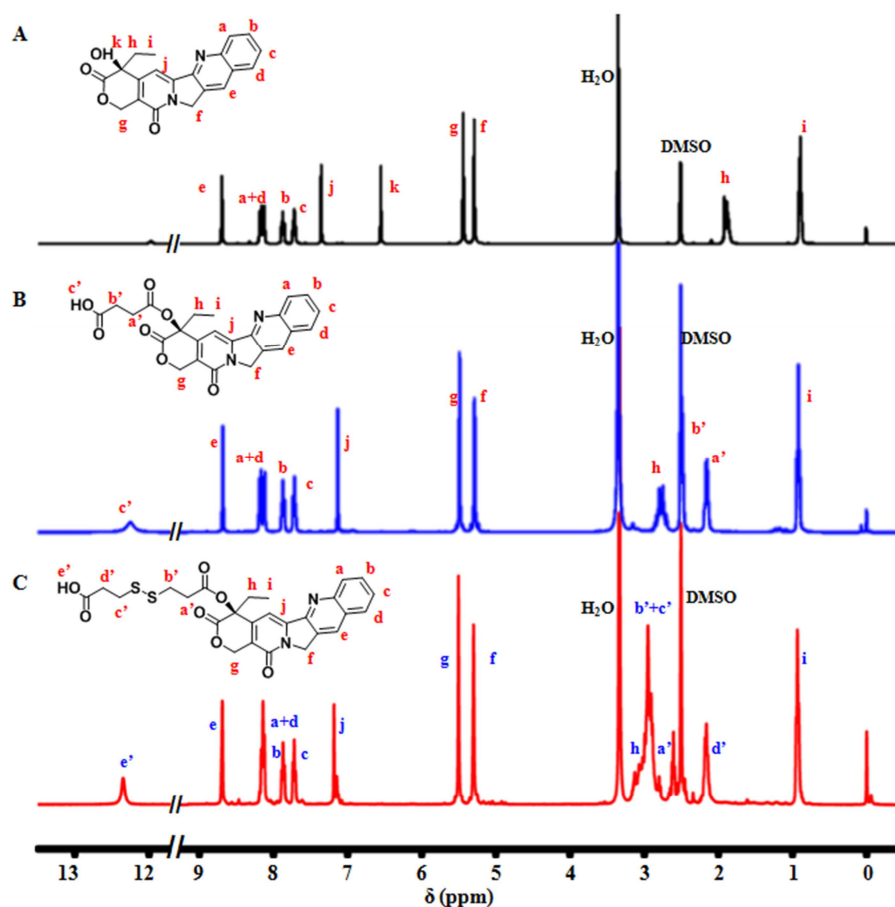


Figure S3. ¹H-NMR spectra of (A) CPT, (B) disulfide-linked carboxyl-terminal CPT (CPT-ss-COOH) and (C) succinyloxide modified CPT (CPT-COOH).

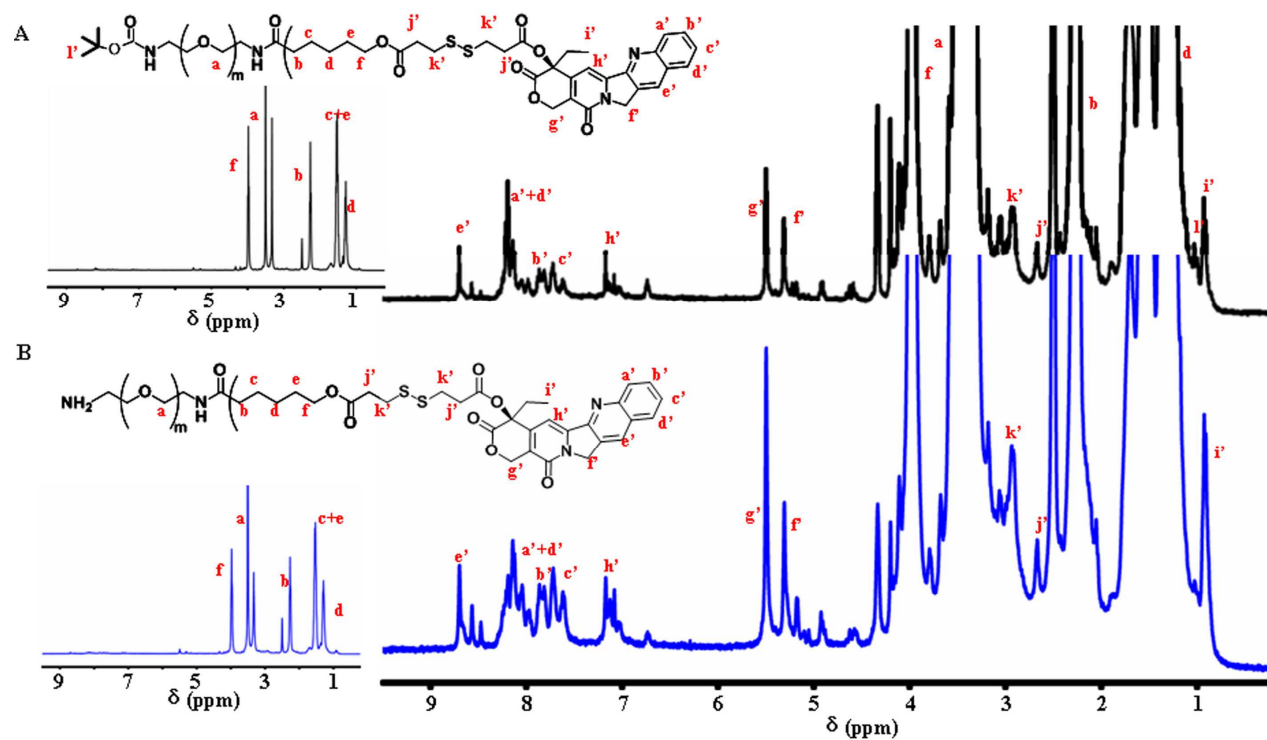


Figure S4. ¹H-NMR spectra of (A) Boc-PECL-ss-CPT conjugates by coupling Boc-PECL with CPT-ss-COOH and (B) deprotected NH₂-PECL-ss-CPT conjugates after removal of Boc groups.

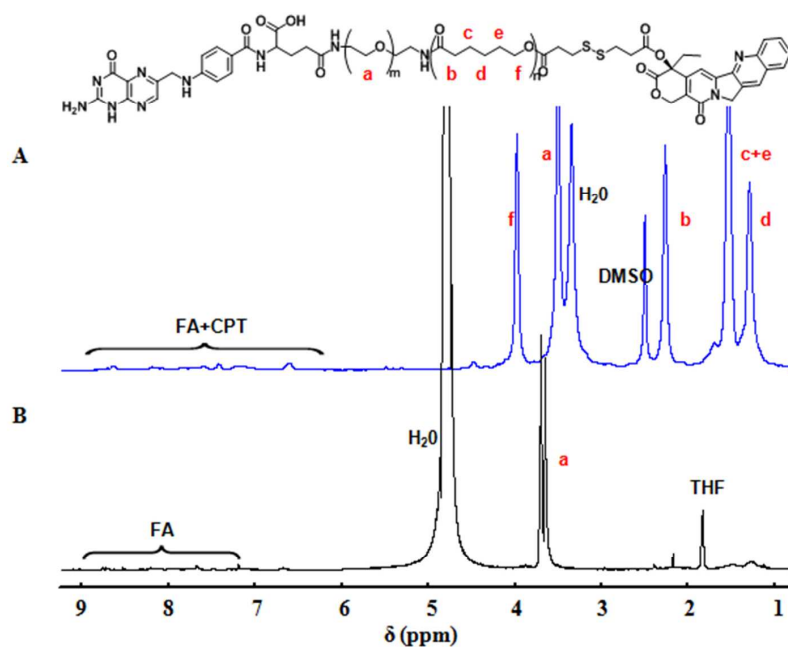


Figure S5. ¹H-NMR spectra of (A) FSC conjugates in DMSO-d₆ and (B) FSC micelles in D₂O.

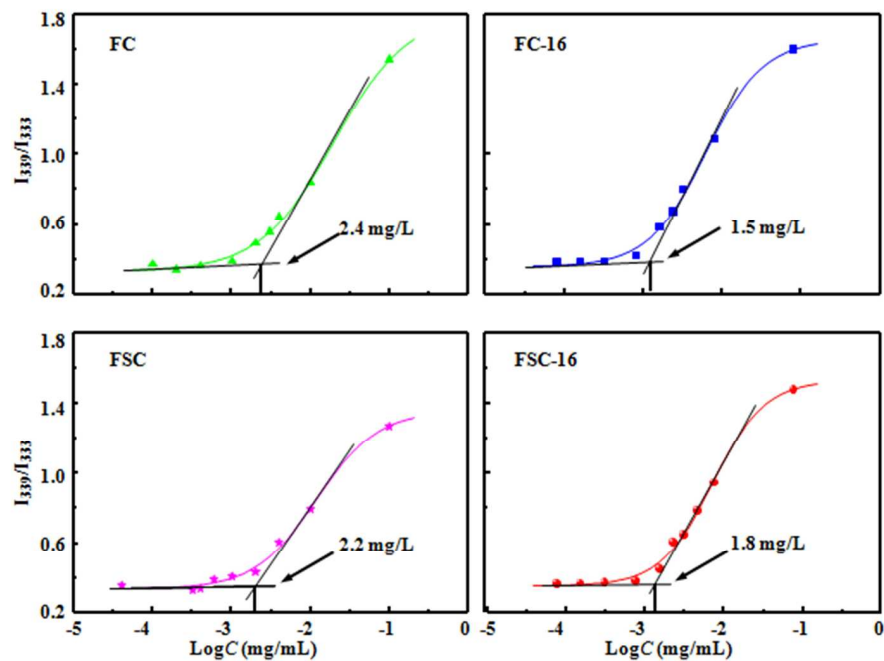


Figure S6. I_{339}/I_{333} band intensity ratios of pyrene as a function of logarithm concentrations of FC and FSC micelles and the addition of hexadecanol into FC-16 and FSC-16 micelles.

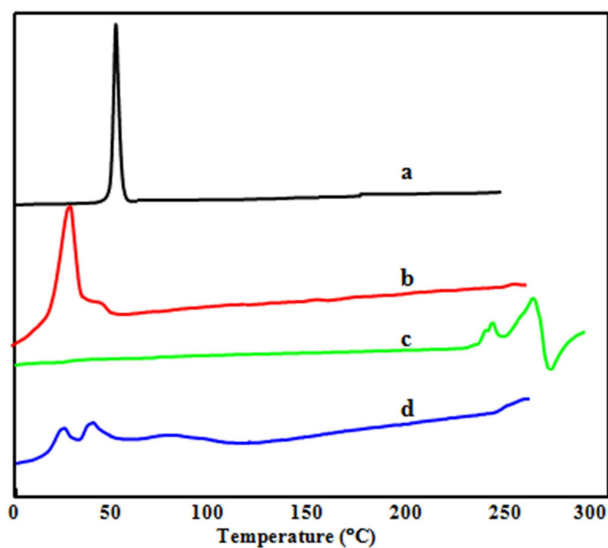


Figure S7. DSC thermograms of (a) hexadecanol, (b) FSC micelles, (c) CPT and (d) FSC-16 micelles.