Supporting information for

pH-responsive reversibly cross-linked micelles by phenol-yne click via curcumin as a drug delivery system

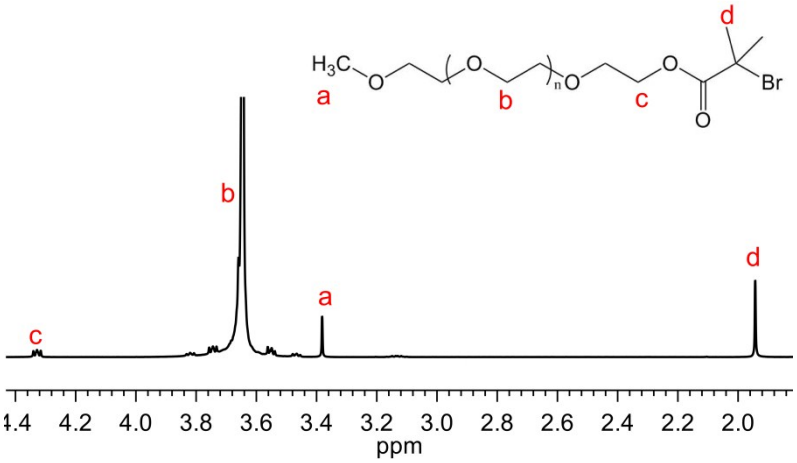

Figure S1. ^{1}H NMR spectrum (400 MHz, $CDCl_3$) of mPEG-Br

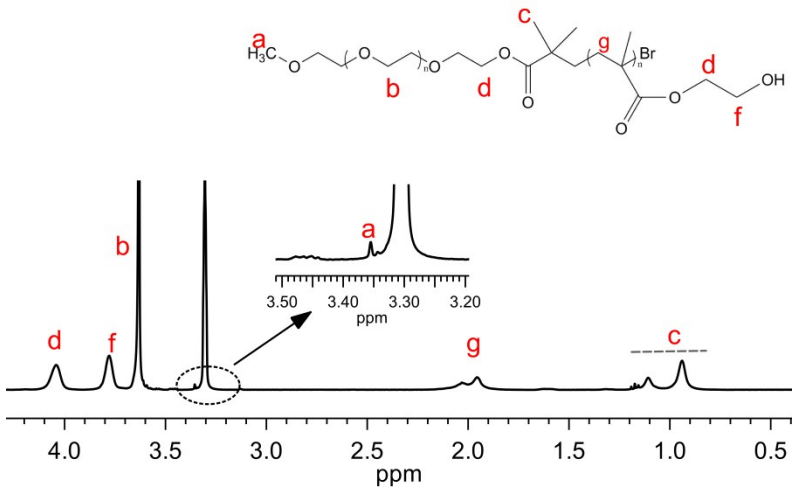

Figure S2. ^{1}H NMR spectrum (400 MHz, $CDCl_3$:CD_3OD = 1:1) of mPEG-b-PHEMA

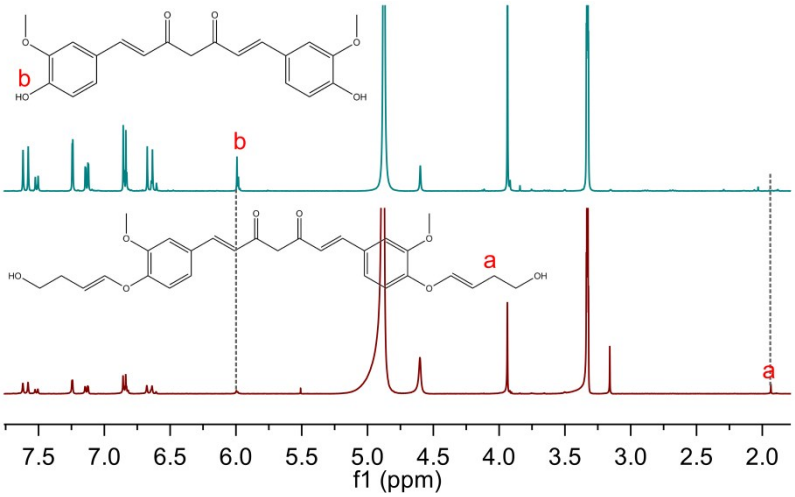

Figure S3. ^{1}H NMR spectra (400 MHz, CDCl3) of curcumin (up) and curcumin-3-Bytyn-1-ol conjugates via phenol-yne click (down)

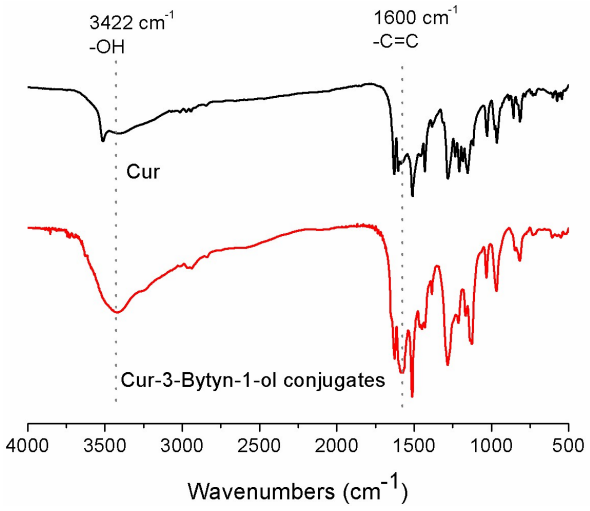

Figure S4. The infrared spectra of curcumin (up) and curcumin-3-Bytyn-1-ol conjugate via phenol-yne click (down)

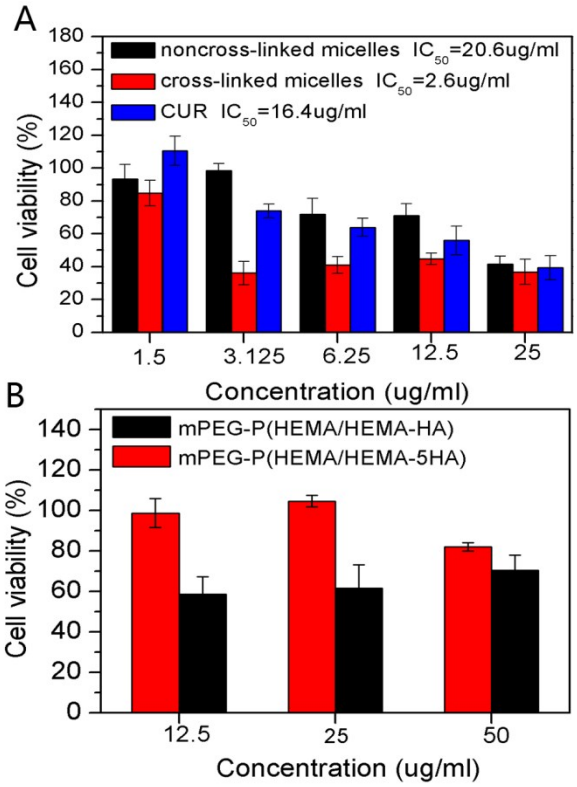

Figure S5. The viability of A549 cells measured by MTT assays after 48 h incubation with Cur and Cur-loaded micelles (A), and the blank micelles (B).

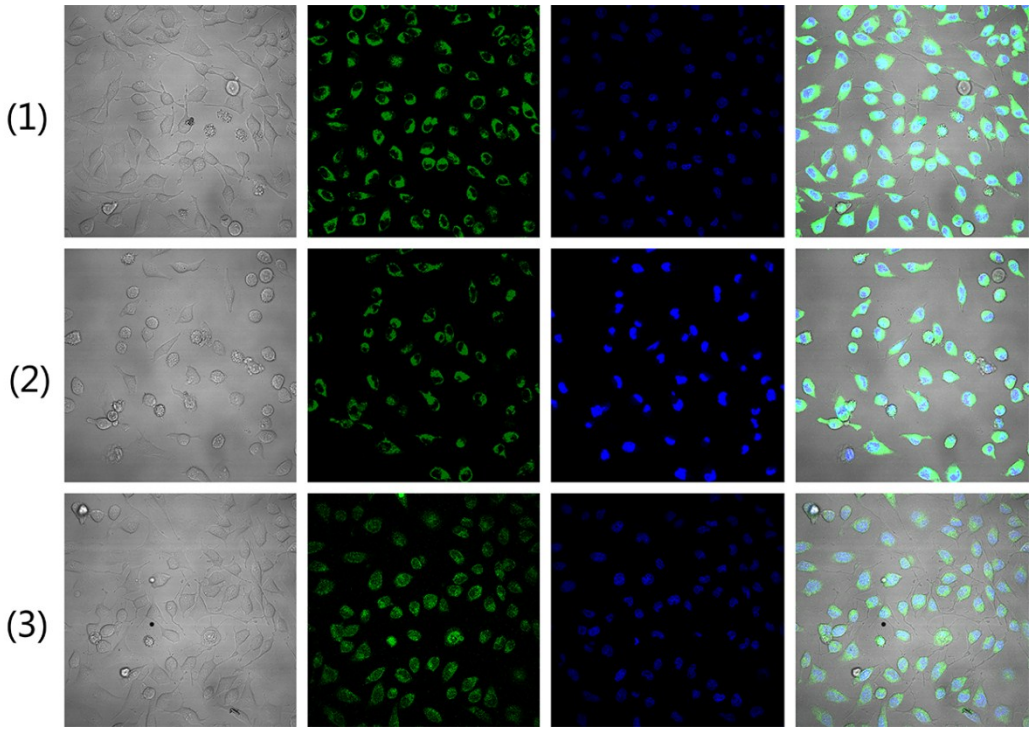

Figure S6. CLSM images of HeLa cells incubated for 48 h with Cur-loaded cross-linked (1), noncross-linked micelles (2) and free Cur (3) (10 ug/mL)

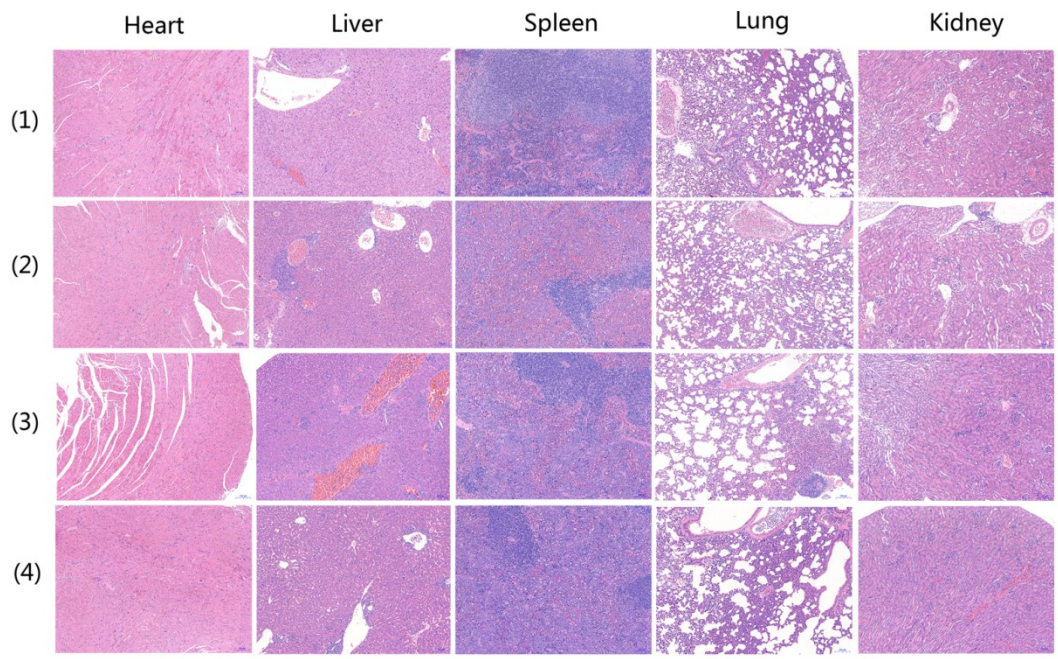

Figure S7. The histological analyses of H&E stained sections of major organs. PBS (1), free Cur (2), cross-linked micelles (3), noncross-linked micelles (4).