Supporting information:

Sequential thermo-induced self-gelation and acid-triggered self-release process of drug-conjugated nanoparticles: A strategy for sustained and controlled drug delivery to tumor

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Scheme S1. Synthesis of DOX-co-PCEC



Fig. S1. FTIR spectra of PCEC and DOX-co-PCEC

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Fig. S2.¹HNMR spectrum of PCEC



Fig. S3. GPC chromatograms of PCEC and DOX-co-PCEC

sample	$M_{\rm n}$ (g/mol)			
	$M_{ m n}{}^{ m a}$	$M_{\rm n}^{\ \rm b}$	$M_{\rm n}^{\ \rm c}$	$M_{\rm W}/M_{\rm n}$ °
PCEC	8000	7680	9000	1.22
DOX-co-PCEC	9086	8300	9600	1.31

Table S1. Molecular weight and molecular weight distribution of PCEC and DOX-co-PCEC

 M_n^{a} : calculated theoretically; M_n^{b} : calculated by ¹HNMR; M_n^{c} and M_w/M_n^{c} : obtained by GPC.



Fig. S4. Flow cytometric analysis of H460 cells treated with DOX and DOX-co-PCEC NPs for 2 h at three equivalent DOX concentrations (0.1 μg/mL, 0.5μg/mL, 1.0 μg/mL)