pH and Reduction Dual-Sensitive Polymeric Micelle for Tumor Microenvironment Triggered Cellular Uptake and Controlled Intracellular Drug Release

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Table S1. Molecular weight characterization of the synthesized polymers

Polymer	Mn[a]	Mn[b]	Mw/Mn[b]
N-BOC-PBLA-CA	1200	1500	1.09
mPEG-C=N-PAsp(MEA)-CA	3600	4000	1.04

[a]Calculated by H NMR; [b]calculated by CPC

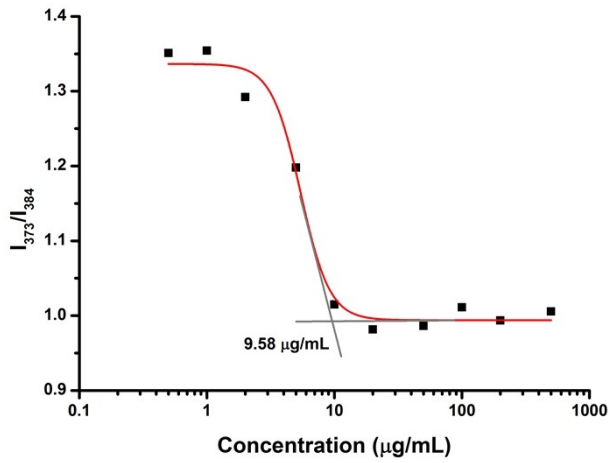

Figure S1. Determination of CMC value of the polymer mPEG-C=N-PAsp(MEA)-CA at pH 7.4.

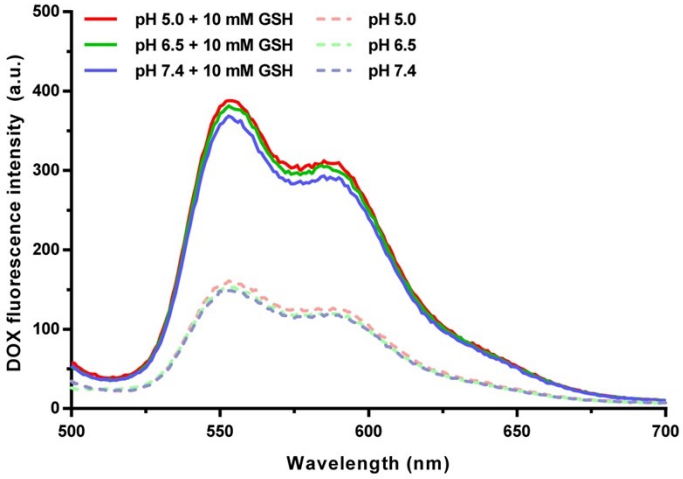

Figure S2. The fluorescence spectra of DOX-SCM after treated in PBS of different pH and GSH concentration for 1 h.

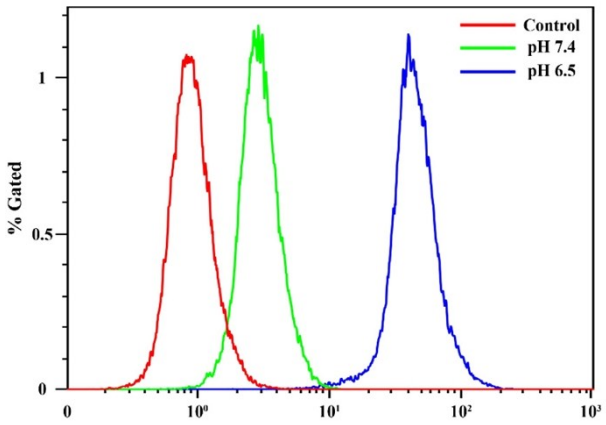

Figure S3. Cellular uptake efficiency of DOX-SCM by C6 cells at different pH determined by flow cytometry analysis.

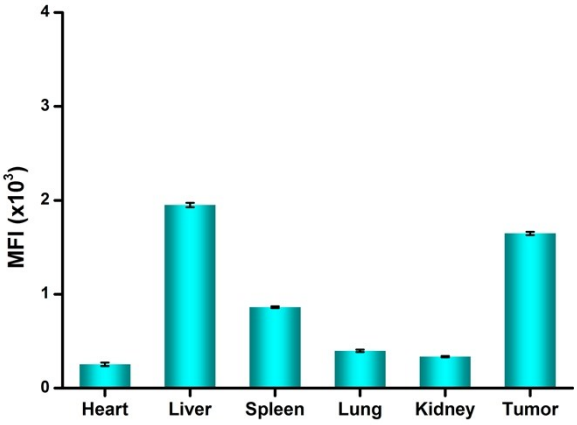

Figure S4. The semi-quantitative mean fluorescence intensity (MFI) analysis of different organs after 24 h treatment.