

## Supporting Information

# Preparation of redox-sensitive, core-crosslinked micelles self-assembled from mPEGylated starch conjugates: remarkable extracellular stability and rapid intracellular drug release

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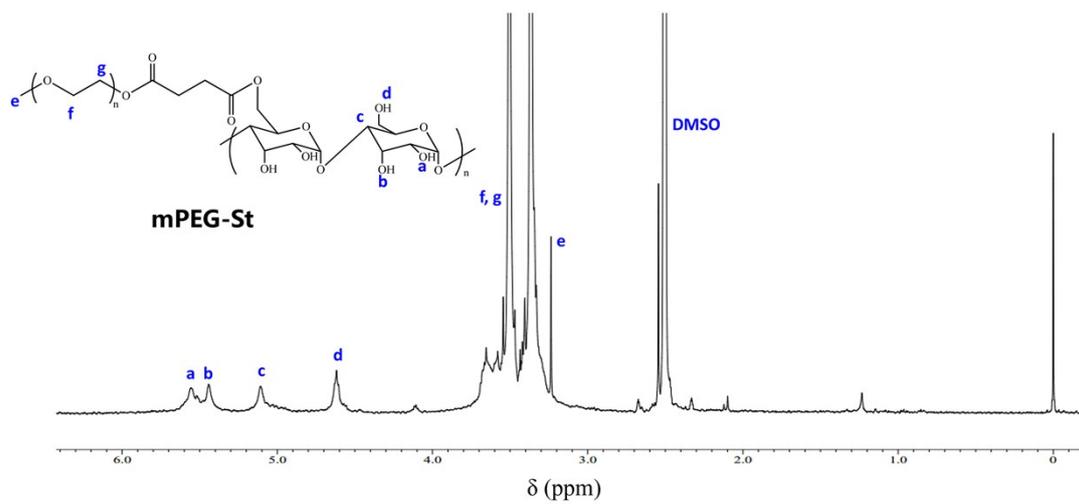


Fig. S1  $^1\text{H}$  NMR spectrum of mPEG-St in DMSO- $d_6$ .

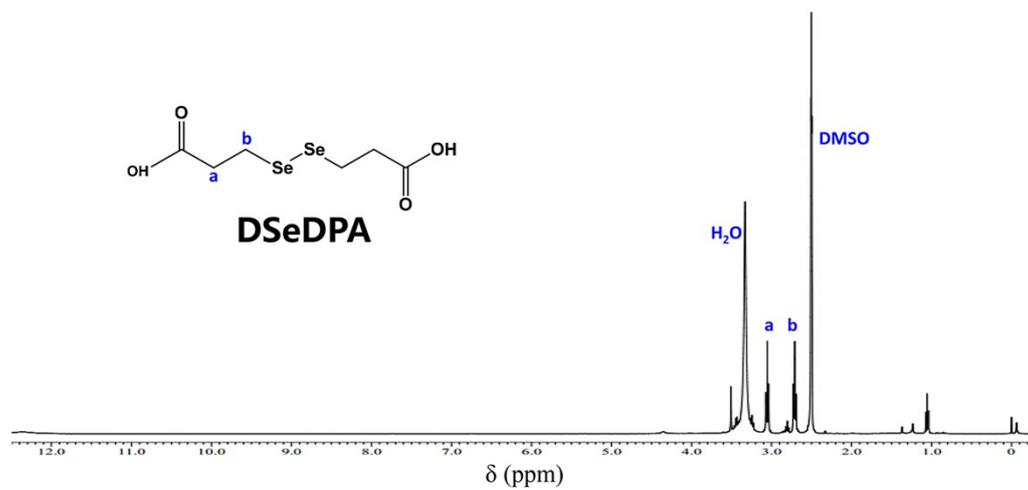


Fig. S2  $^1\text{H}$  NMR spectrum of DSeDPA in DMSO- $d_6$ .

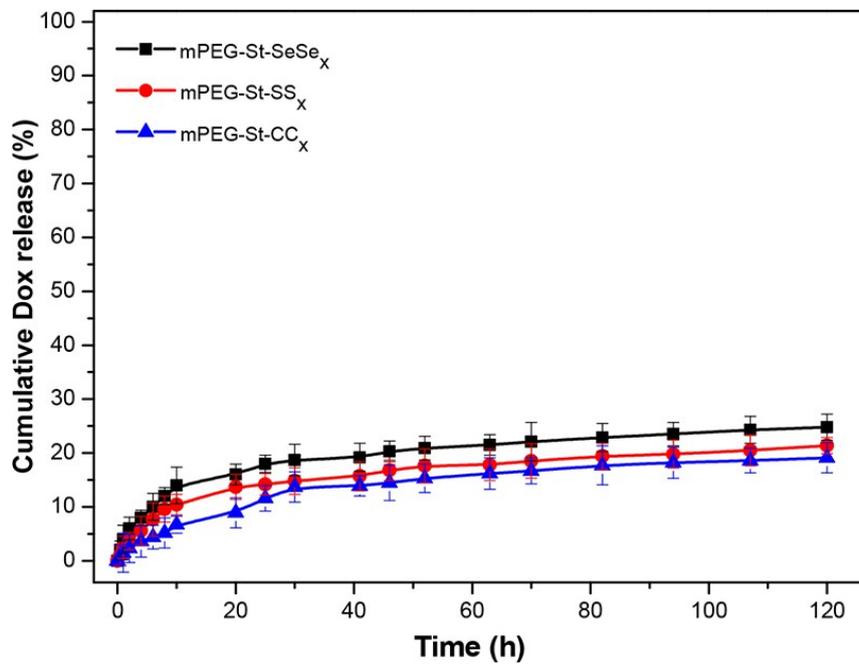


Fig. S3 *In vitro* drug release behavior of DOX-loaded mPEG-St-SeSe<sub>x</sub>, mPEG-St-SS<sub>x</sub> and mPEG-St-CC<sub>x</sub> micelles without GSH.