Supporting Information

Biocompatible and Bioreducible Micelles Fabricated from Novel α-Amino Acid-Based Poly(disulfide urethane)s: Design, Synthesis and Triggered Doxorubicin Release

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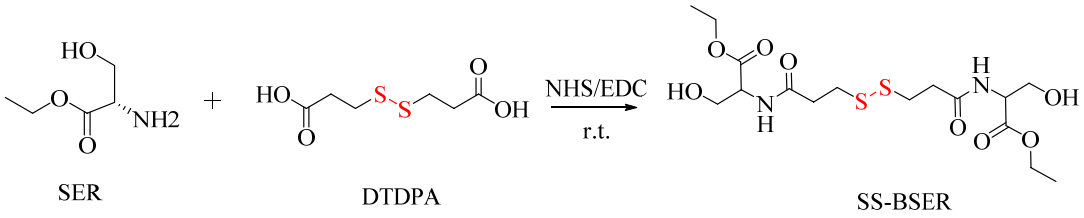

Scheme S1 Synthesis of disulfide-linked bis(ethyl L-serinate) (SS-BSER).

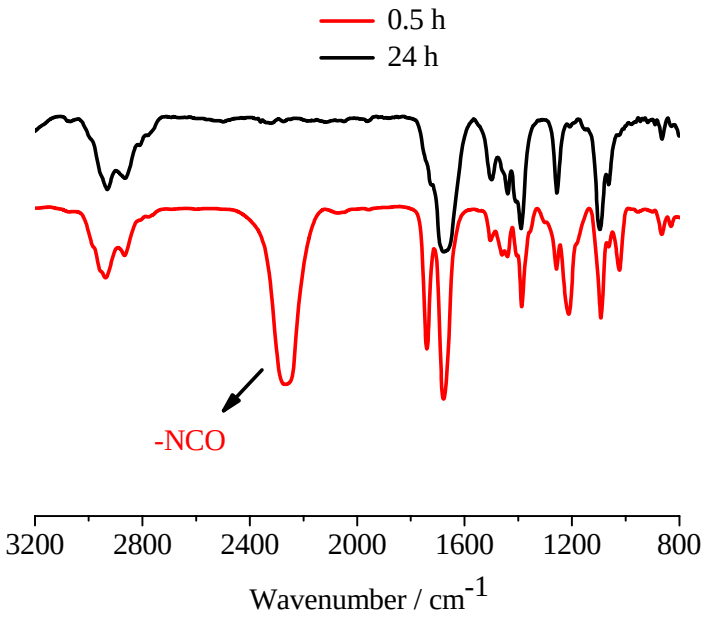

Fig. S1 FT-IR spectra of polycondensation reaction mixture at 0.5 and 24 h (completion of polymerization).

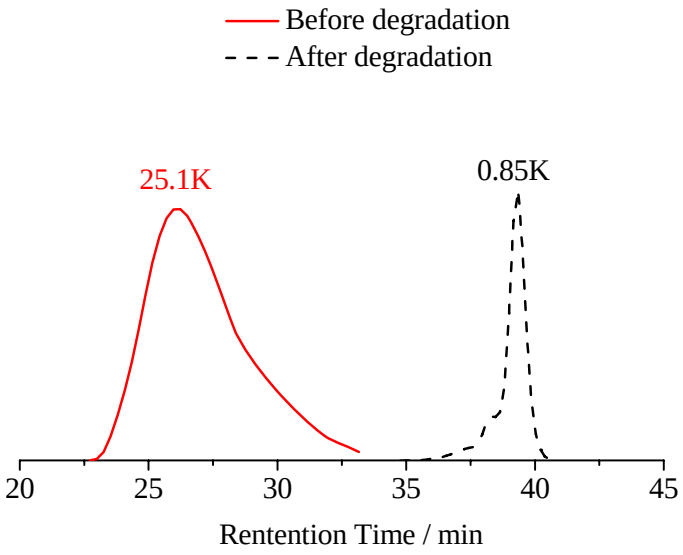

Fig. S2 GPC curves of AAPU(SS)-2 before and after treating with 200 mM DTT.

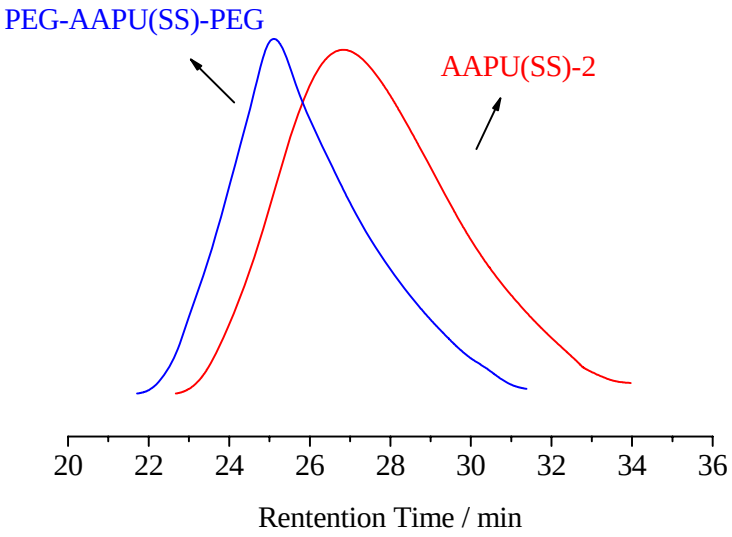

Fig. S3 GPC curves of AAPU(SS)-2 and PEG-AAPU(SS)-PEG.

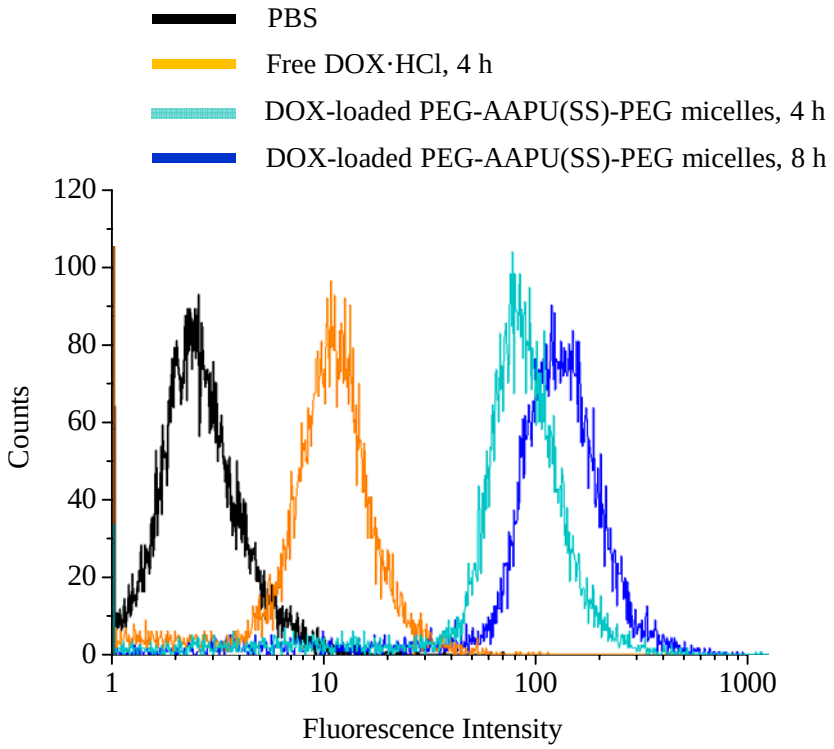

Fig. S4 Flow cytometry measurements of cellular DOX level in MCF-7/ADR cells following 4 and 8 h incubation with DOX-loaded PEG-AAPU(SS)-PEG micelles (dosage: 10 μg DOX equiv./mL, cell counts were 10000). Free DOX·HCl was used as a control.