Supporting Information

Tetraphenylsilane-Cored Star-Shaped Polymer Micelles with pH/Redox Dual-Response and Active-Targeting Function for Drug Controlled Release

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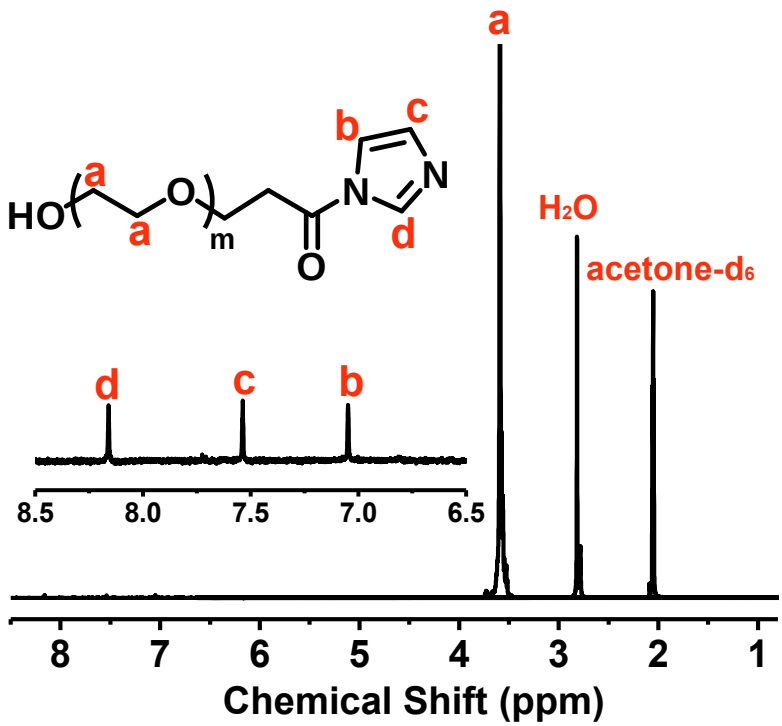

Figure S1. ^{1}H-NMR spectra of HO-PEG-CDI

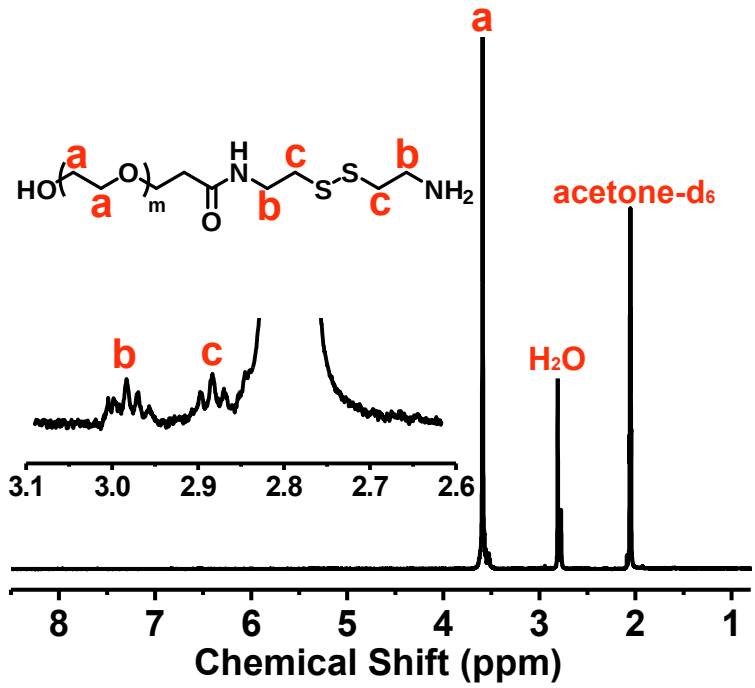

Figure S2. ^{1}H-NMR spectra of HO-S-S-PEG-NH_2

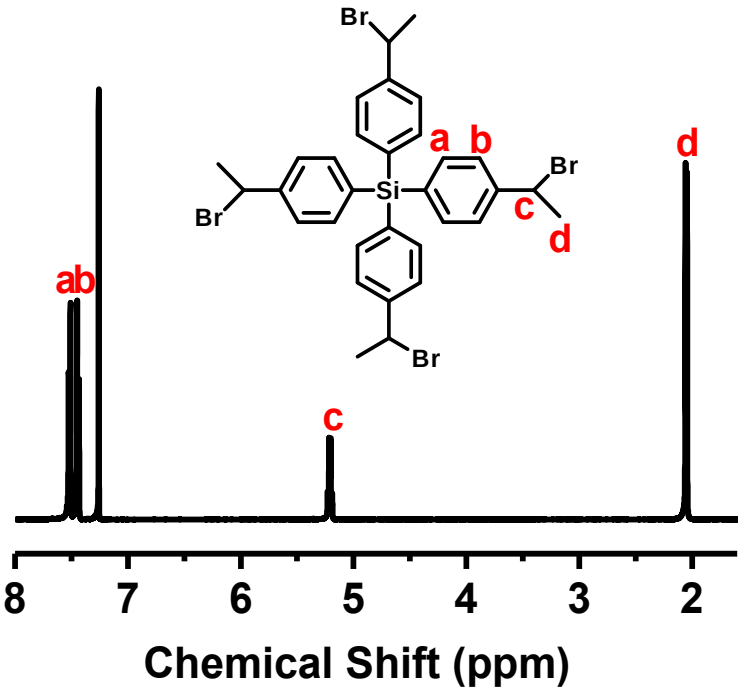

Figure S3. ^{1}H-NMR spectrum of BTES.

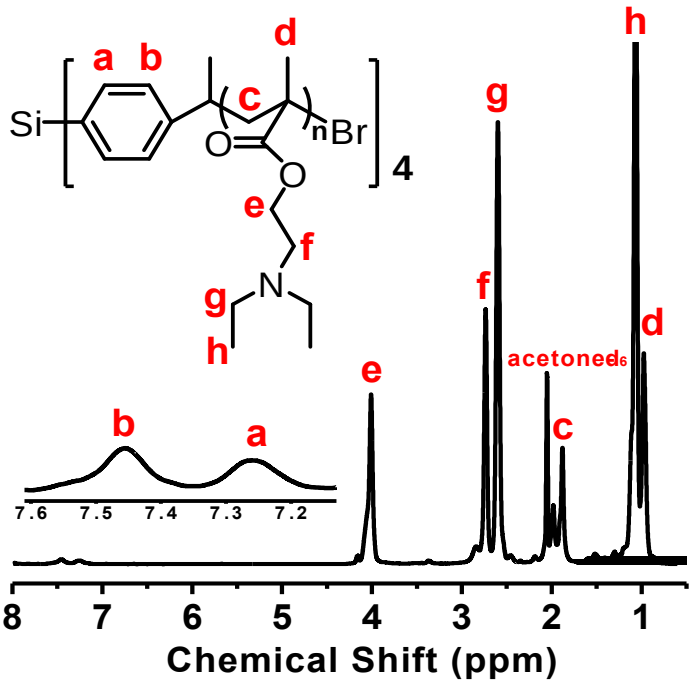

Figure S4. ^{1}H-NMR spectrum of BD-1.

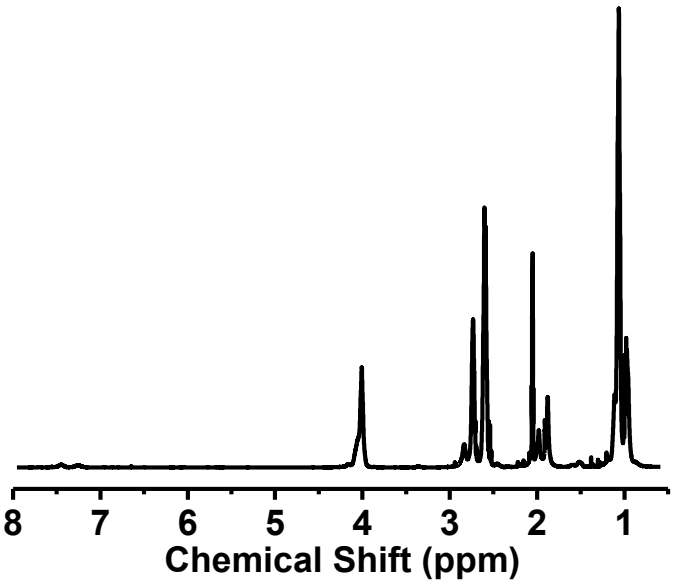

Figure S5. ^{1}H-NMR spectra of BD-2.

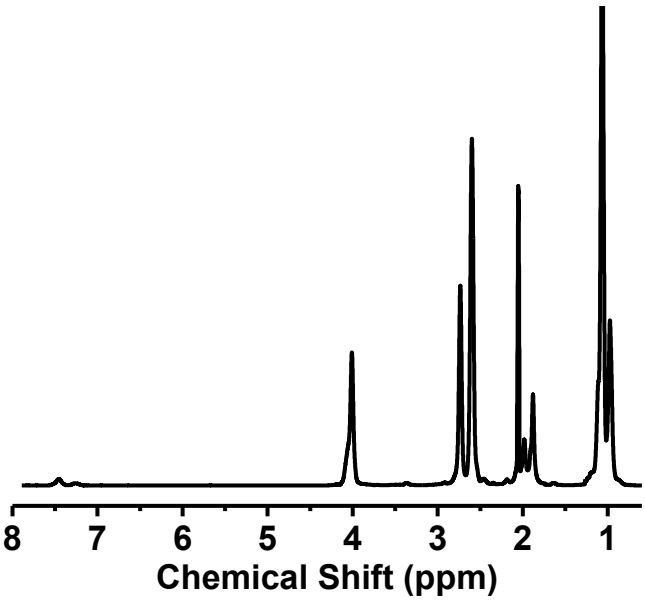

Figure S6. ^{1}H-NMR spectrum of BD-3.

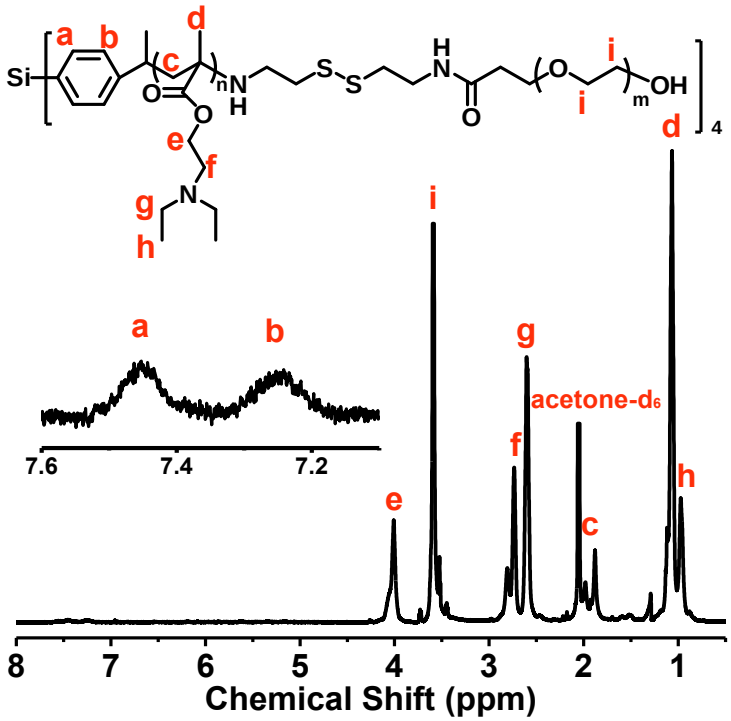

Figure S7. ^{1}H-NMR spectrum of BDSP-1.

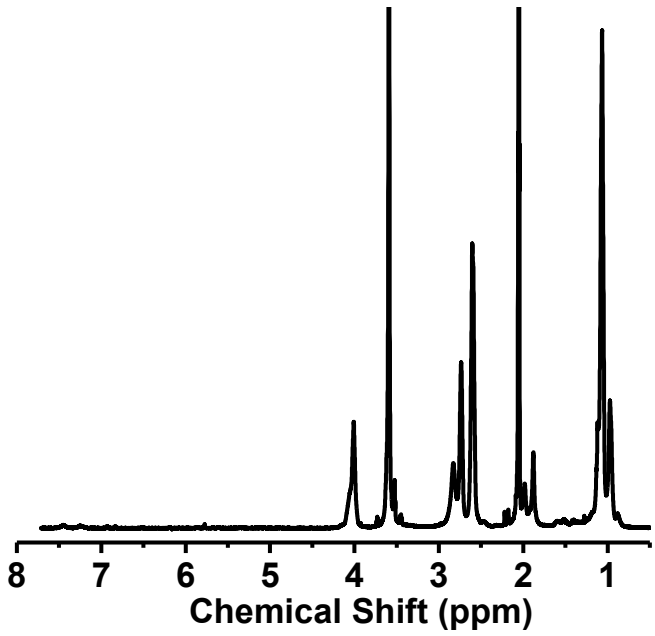

Figure S8. ^{1}H-NMR spectrum of BDSP-1.

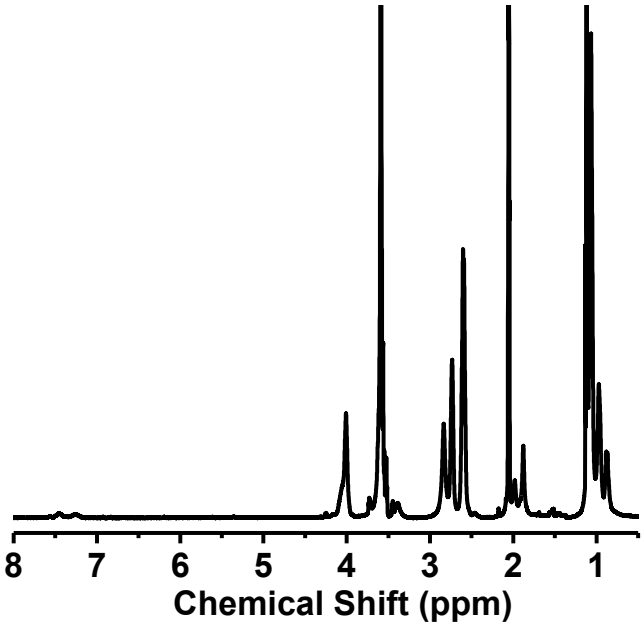

Figure S9. ^{1}H-NMR spectrum of BDSP-3.

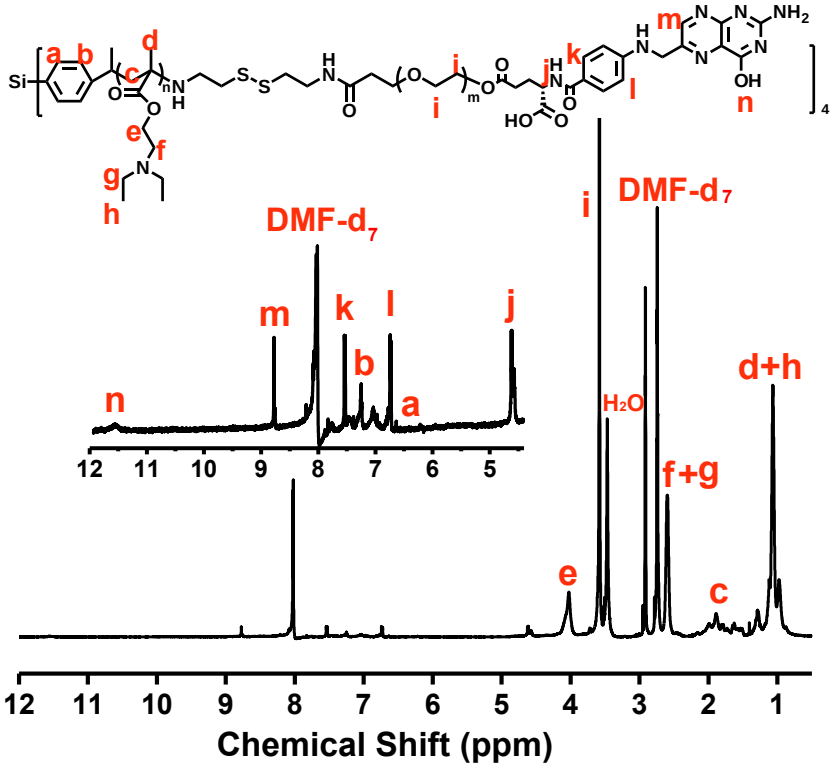

Figure S10. ^{1}H-NMR spectrum of BDSPF-1.

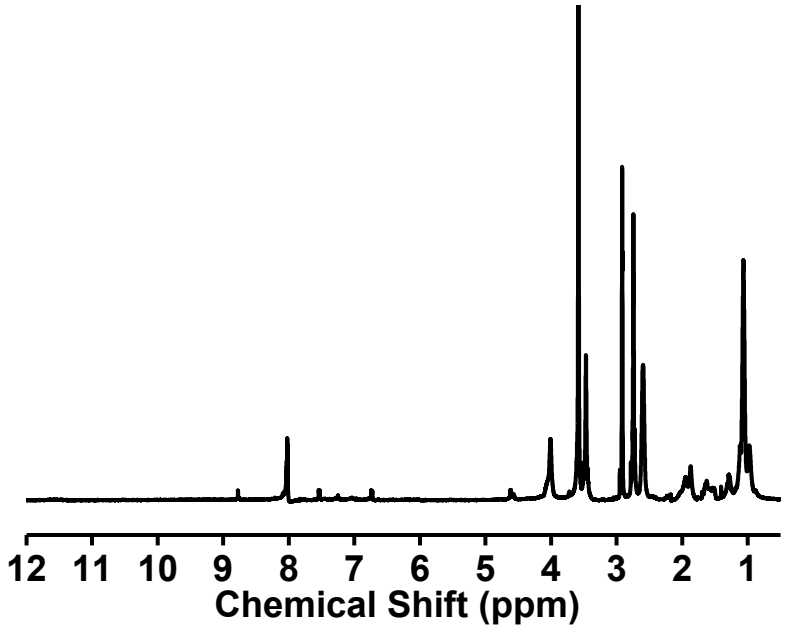

Figure S11. ^{1}H-NMR spectrum of BDSPF-2.

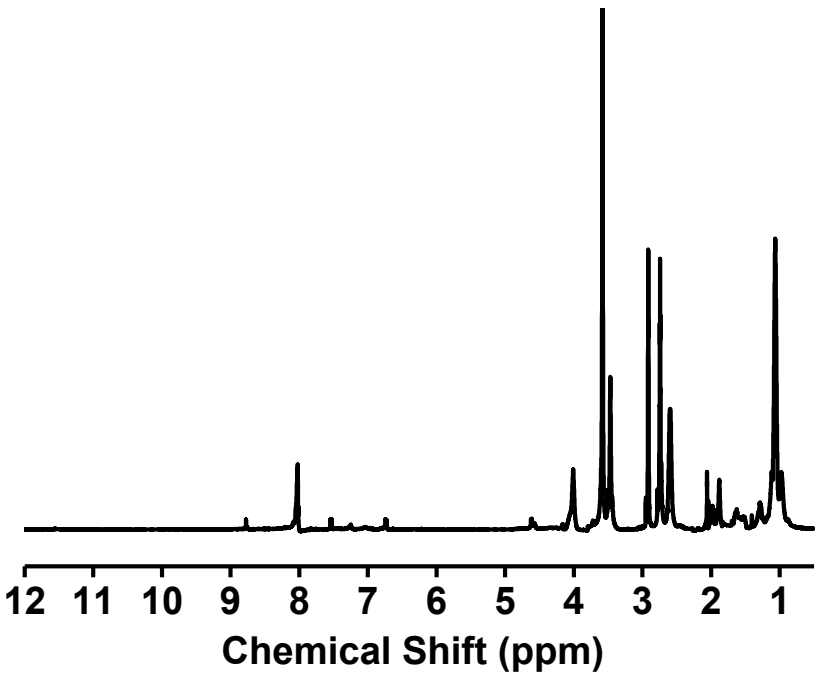

Figure S12. ^{1}H-NMR spectrum of BDSPF-3.

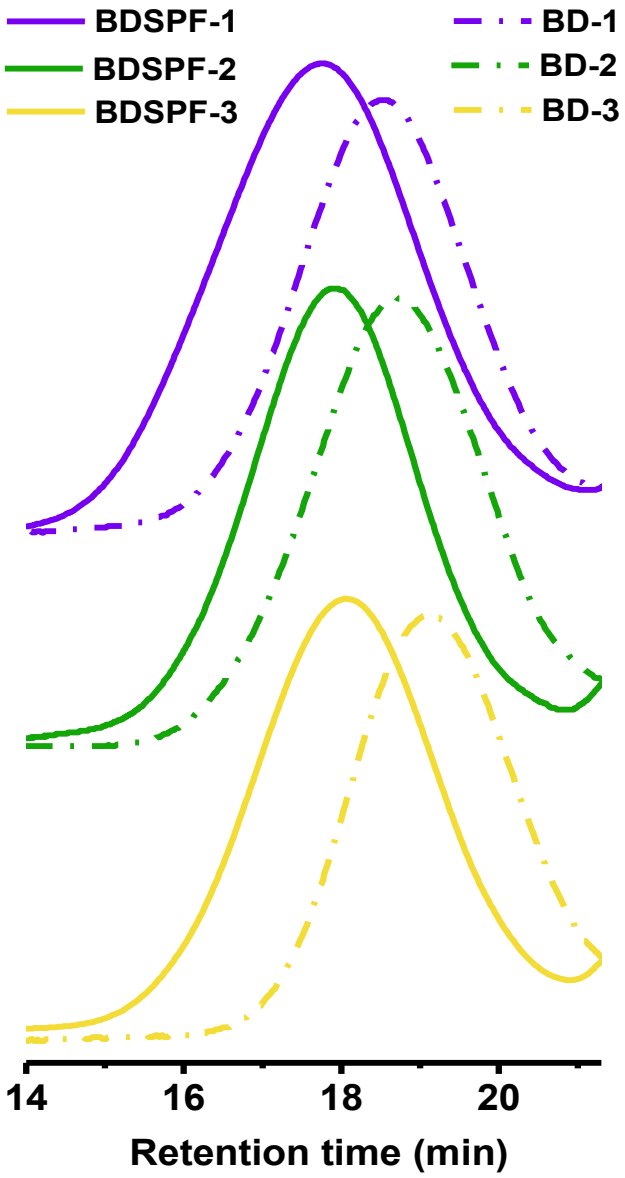

Figure S13. GPC curves of BDSPFs and their precusors BDs.

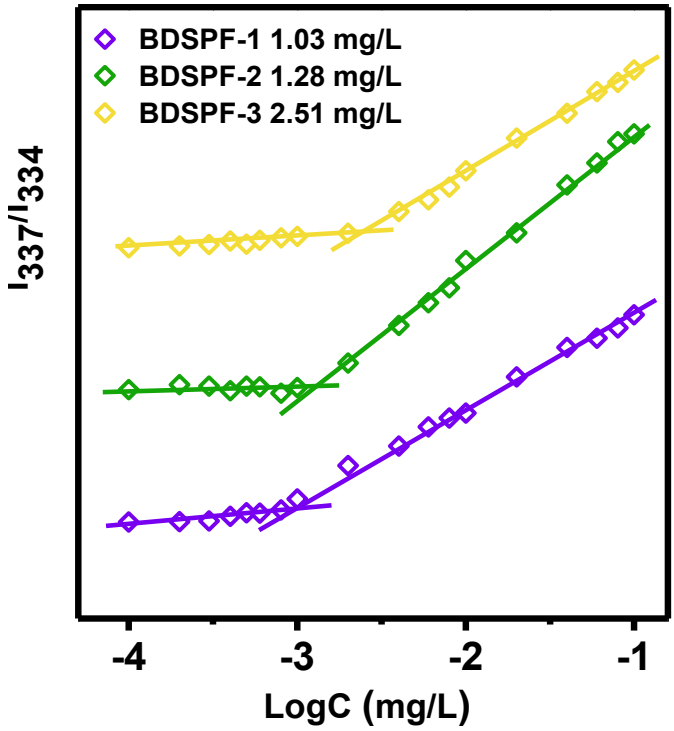

Figure S14. Denpendency of the ratios of fluorescent intensity ($I_{336}/_{I334}$) on copolymer concentration in aqueous solution.

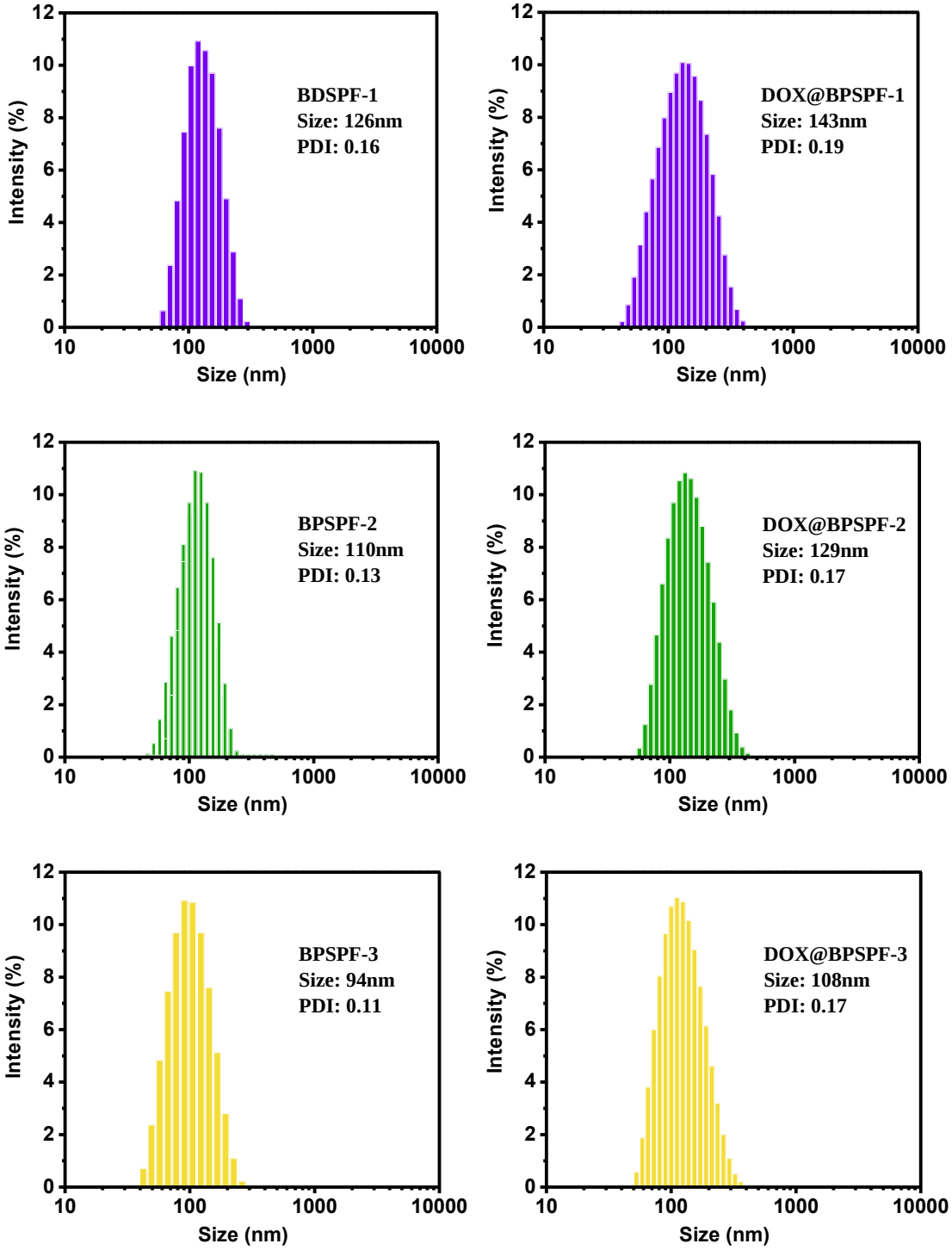

Figure S15. Size distribution of the blank and DOX-loaded micelles determined by DLS.

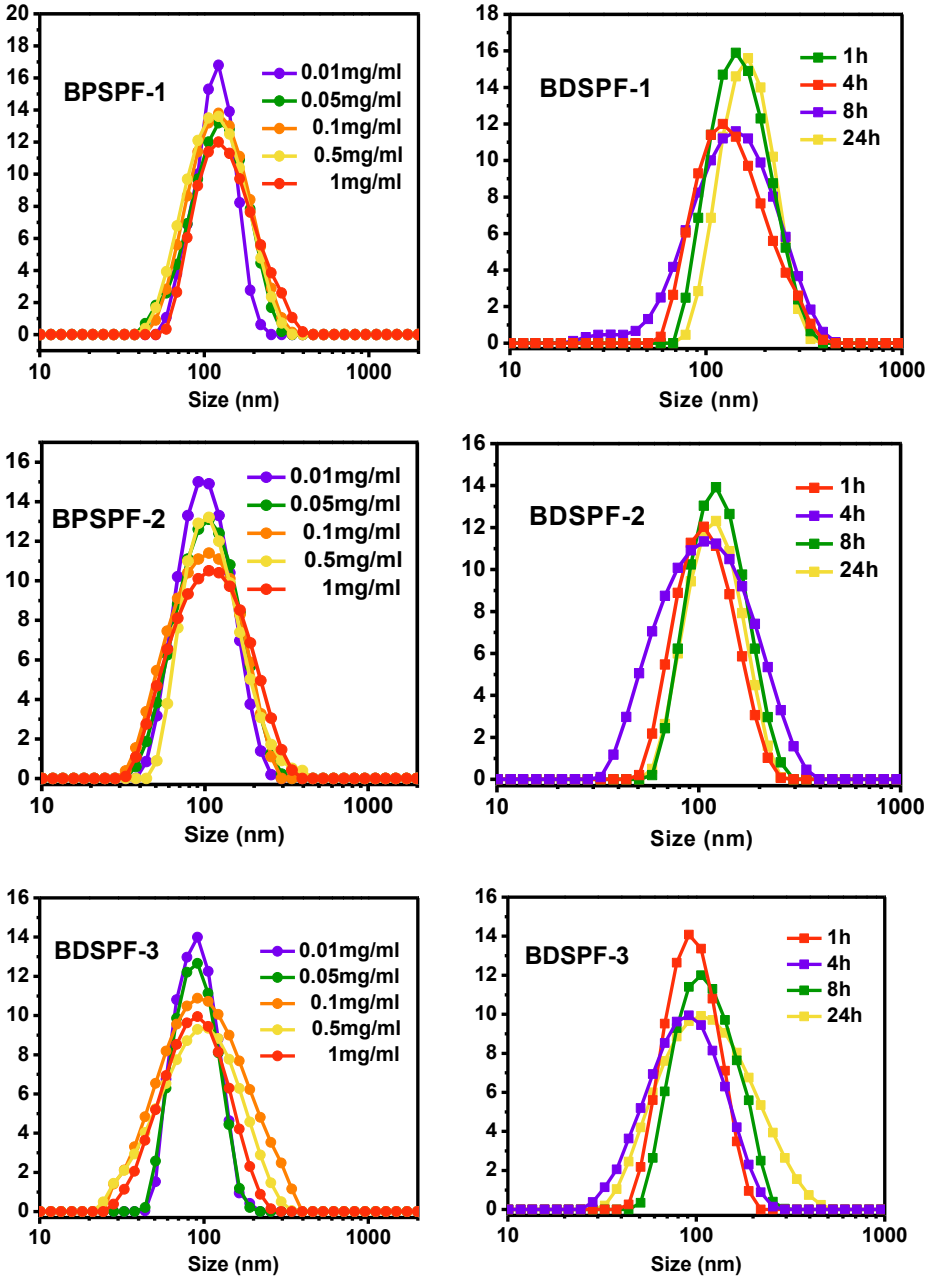

Figure S16. Size and distribution of $BDSPF_S$ micelles measured by DLS at different concentrations for different time.

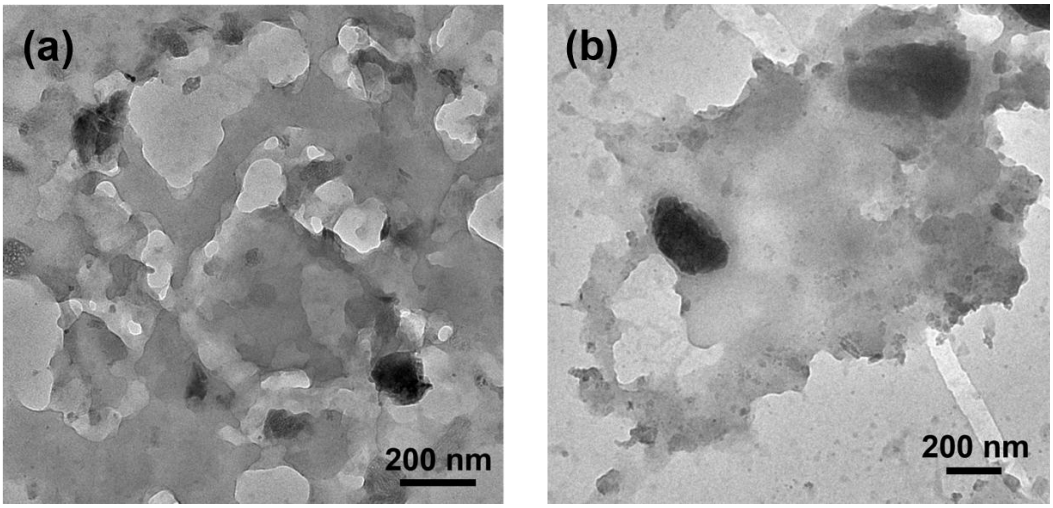

Figure S17. TEM images for the blank BDSPF-1 micelles (a) and DOX-loaded BDSPF-1 micelles (b) after treating in pH 5.0 + 10 mM GSH solution for 24 h.