Supplementary Information

Enhanced drug retention by anthracene crosslinked nanocomposites for multimodal imaging-guided phototherapy

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Supporting Figures







Figure S1. ¹H NMR spectrum of Boc-SS-NH₂ in CDCl₃.



Figure S2. ¹H NMR spectrum of An-SS-Boc in CDCl₃.



Figure S3. ¹H NMR spectrum of An-SS-NH₂ in CDCl₃.



Figure S4. FT-IR spectrua of mPEG-RAFT macro-CTA (A), mPEG-*b*-PSMAn (B) and mPEG-*b*-P(SMA(-TEMPO)-SS-An (C).



Figure S5. The absorbance value of polymeric nanocomposites PPTIU with different time of UV cross-linking.



Figure S6. The particle size in phosphate buffered saline with 48 h incubation by DLS.



Figure S7. Effect of thermal response (45°C or 60°C) on UV-Vis spectra of PPT polymer.



Figure S8. After 24 h incubation, the photograph of PPTIU with or without near-infrared irradiation.



Figure S9. The quantitative ROS production by H2DCFDA fluorescence of Figure 6C.



Figure S10. The cell viability of A) LO2, B)HEK293T, C) HepG2 cell was analyzed for treatment with PPT polymer or UCNP.



Figure S11. The main organs and tumor were collected after 48 h administration of PPTIU, and then subjected to fluorescence imaging.



Figure S12. The body weight of nude mice with different treatments.