

## Iodine-131-Labelled, Transferrin-Capped Polypyrrole Nanoparticles for Tumor-Targeted Synergistic Photothermal-Radioisotope Therapy

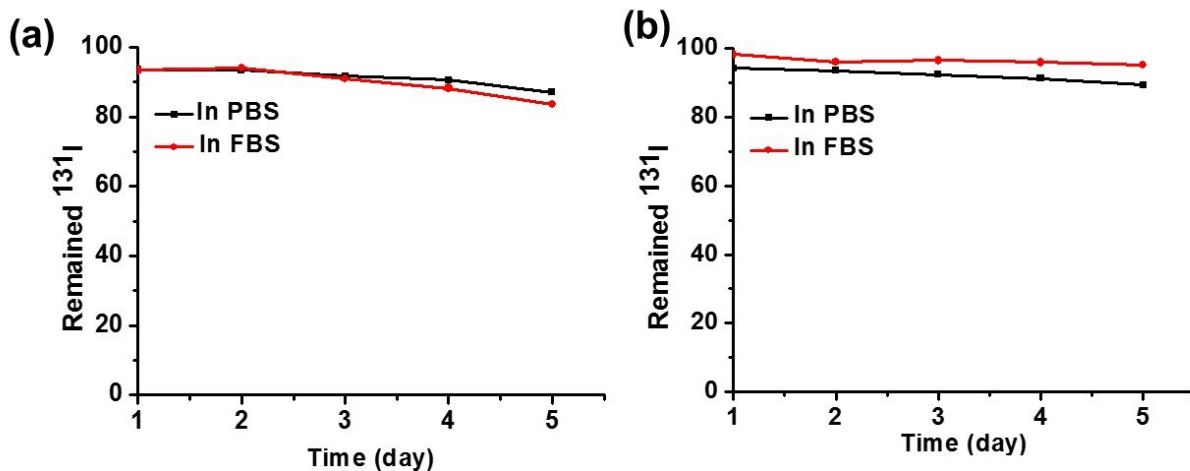
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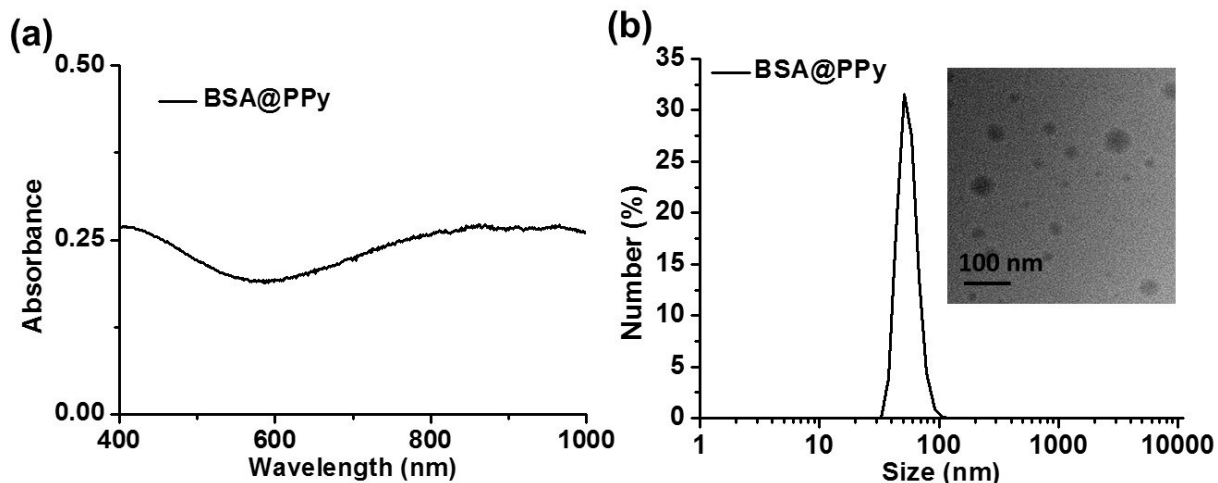
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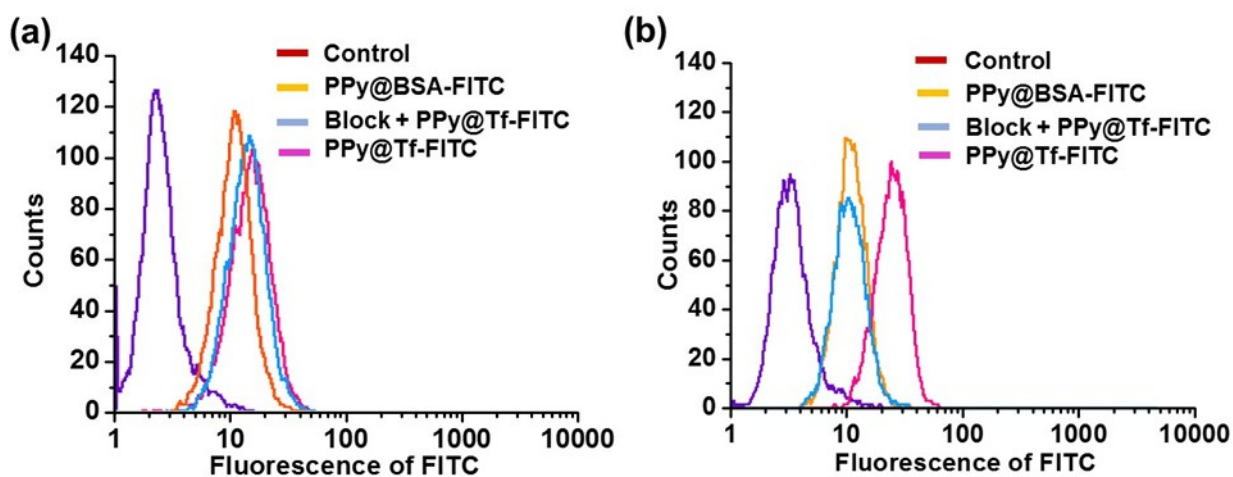
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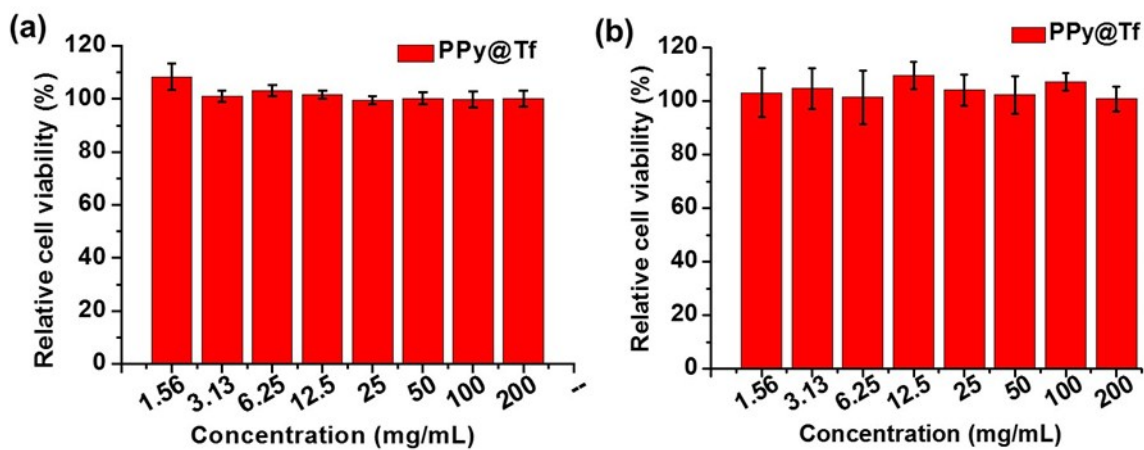
Supporting Figure S1. (a) The labeling stability of PPy@Tf-<sup>131</sup>I and (b) PPy@BSA-<sup>131</sup>I incubated with phosphate buffer saline (PBS) and fetal bovine serum (FBS) for 5 days.



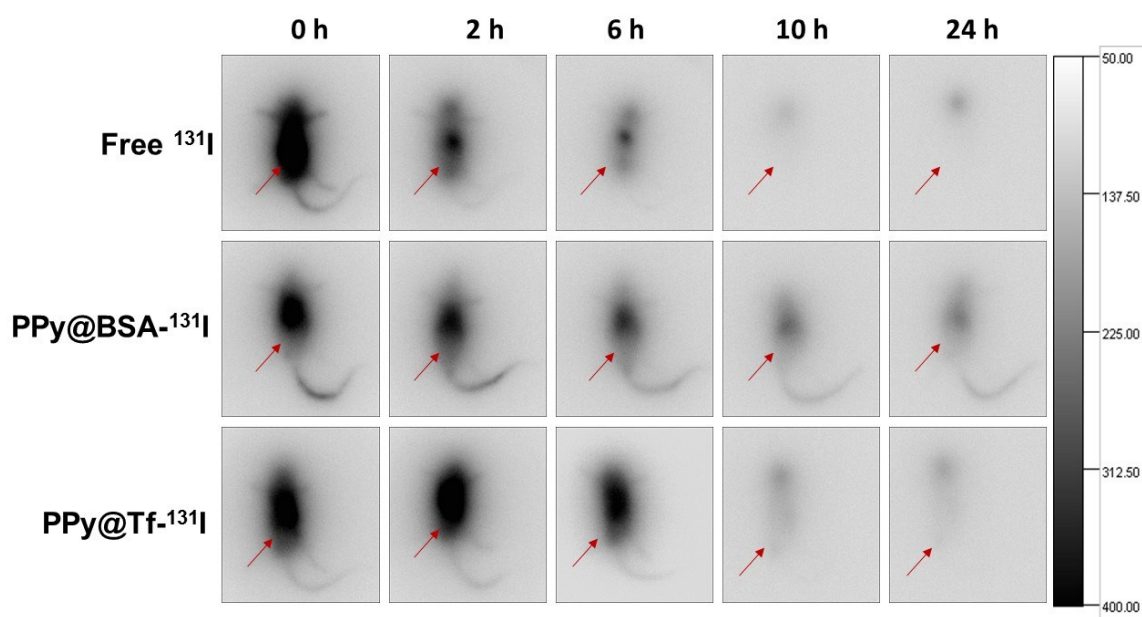
Supporting Figure S2. Characterization of BSA@PPy. (a) UV-vis-NIR absorbance spectra of BSA@PPy solutions. (b) Size distributions of BSA@PPy (insert is the TEM image of BSA@PPy).



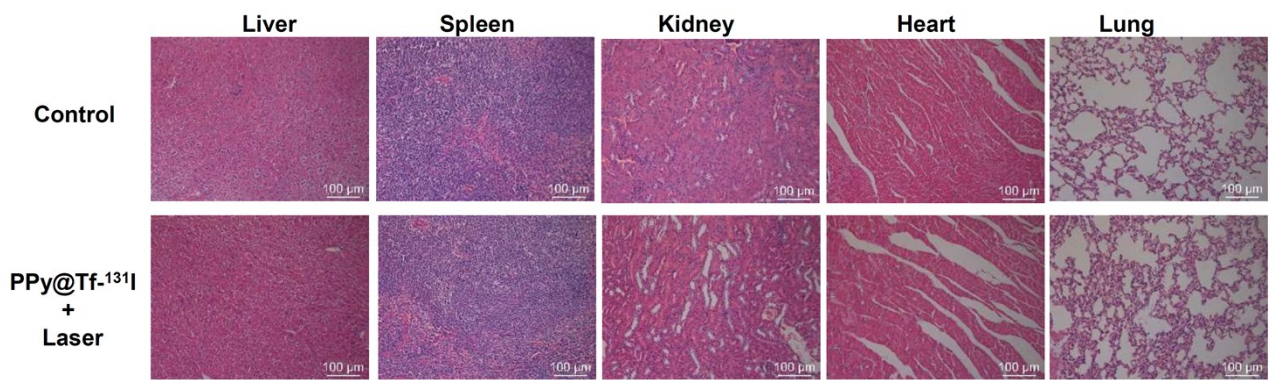
Supporting Figure S3. (a) Flow cytometry data for 293T cells incubated with PPy@BSA-FITC or PPy@Tf-FITC. (b) Flow cytometry data for U87MG cells incubated with PPy@BSA-FITC or PPy@Tf-FITC for 2 h.



Supporting Figure S4. Relative cell viabilities of (a) U87MG cells and (b) 293T cells incubated with various concentrations of PPy@Tf for 24 h, as determined by the standard MTT assay.



Supporting Figure S5. Gamma imaging of U87MG tumor-bearing mice taken at different time point after i.v. injection of free <sup>131</sup>I, PPy@BSA-<sup>131</sup>I, or PPy@Tf-<sup>131</sup>I.



Supporting Figure S6. H&E stained images of major organs from untreated healthy mice and treated mice with PPy@Tf-<sup>131</sup>I plus laser irradiation.