

Melanin-like Nanoparticles Loaded with Angiotensin Antagonist for Improved Photothermal Cancer Therapy

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Keywords: melanin-like nanoparticles, polydopamine, losartan, tumor penetration, photothermal therapy

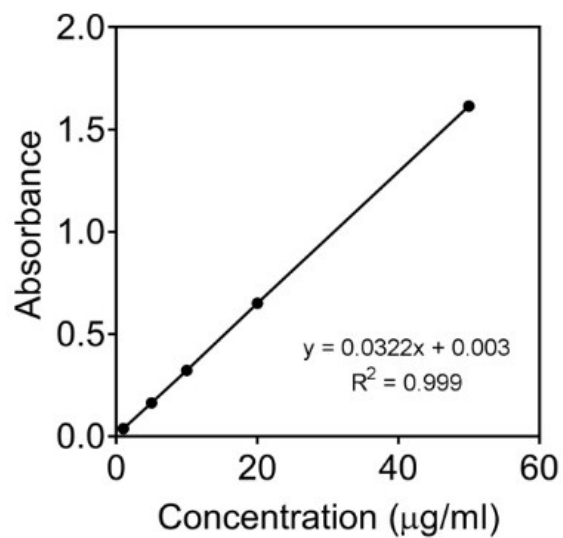


Figure S1. The calibration curve plots a linear relationship between the absorbance of LST at 250 nm and its concentration, which was measured by a UV-Vis spectrometer. The drug loading ratio of LST on PLST was 7.54%.

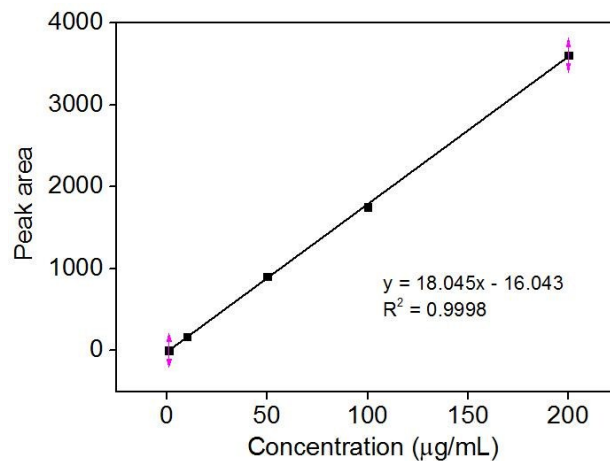


Figure S2. The plot of peak area of LST versus its concentration at 250 nm, which was measured by HPLC with chromatographic column of Pursuit C 18 (Figure S2). Acetonitrile and 0.1 % phosphoric acid (50:50) was used as mobile phase. The detection wavelength was set at 250 nm, and the flow rate was 1 mL/min with 25 °C column temperature. The drug loading ratio of LST on PLST was calculated to be 7.49 %.

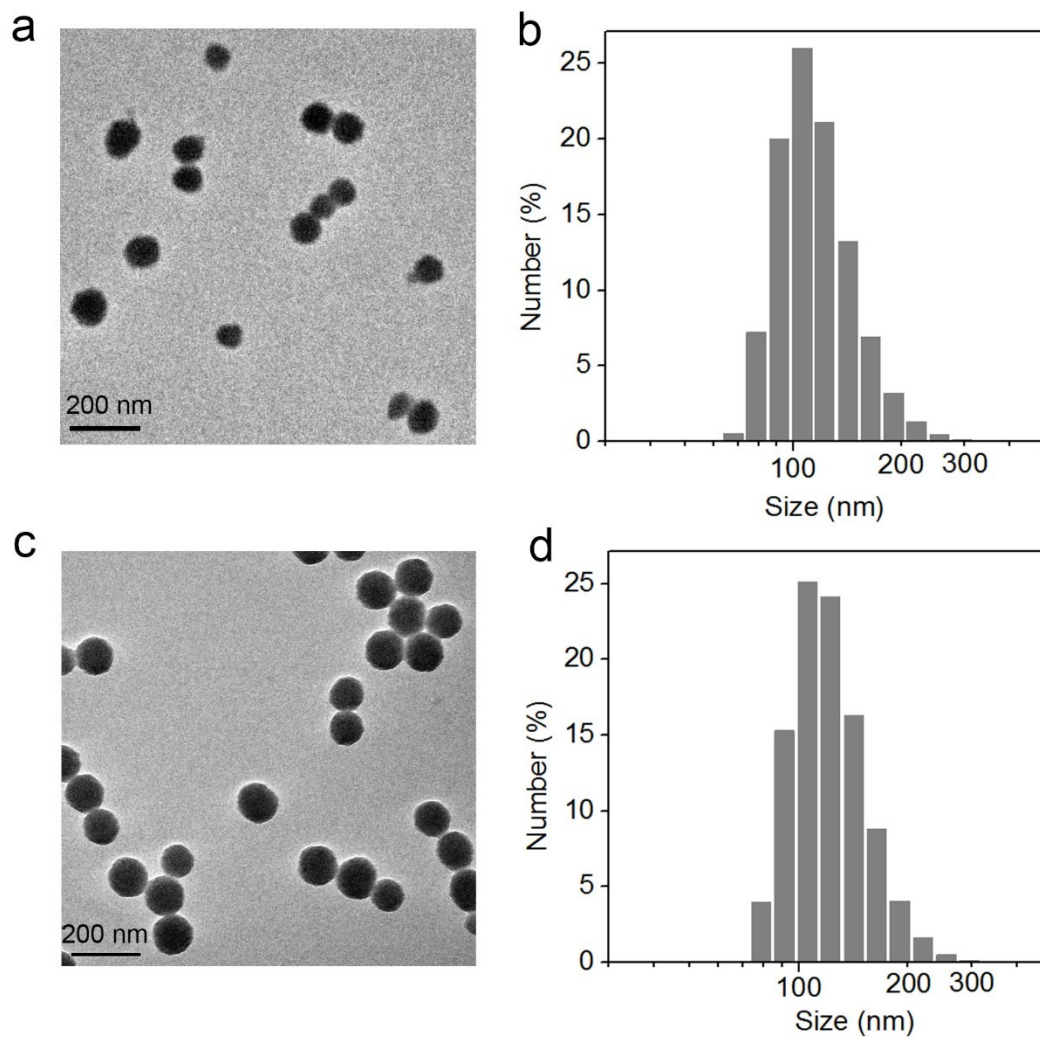


Figure S3. (a and b) TEM image of PDA and its size distribution (b). (c and d) TEM image of PDA@Fe and its size distribution.

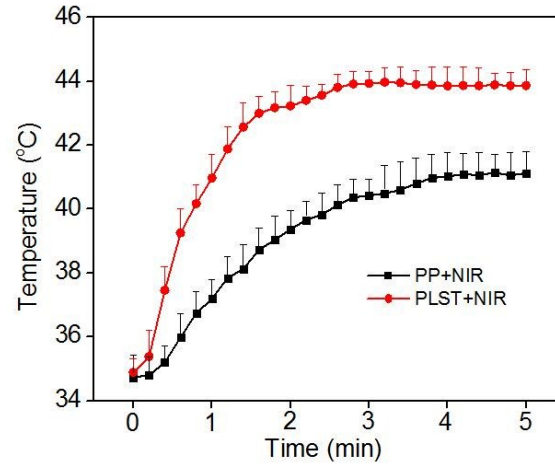


Figure S4. The tumor-site temperature changes while NIR irradiation 72 h after the first injection (n=3).

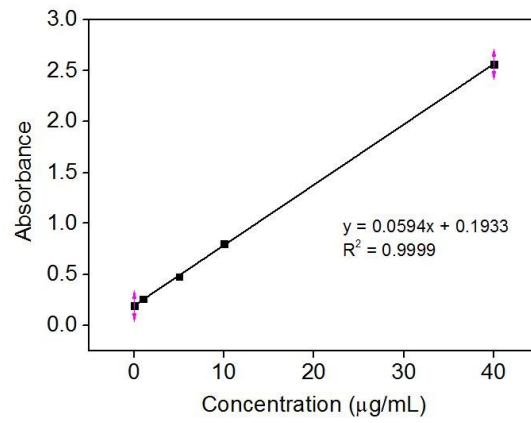


Figure S5 The plot of the absorbance of mPEG-SH at 563 nm versus its concentration, which was determined by a UV-Vis spectrometer.