

Figure S1. The lung circulating tumor cell line CTC-TJH-01 used in this study was collected from the female patients' peripheral blood with stage IIa lung adenocarcinoma.

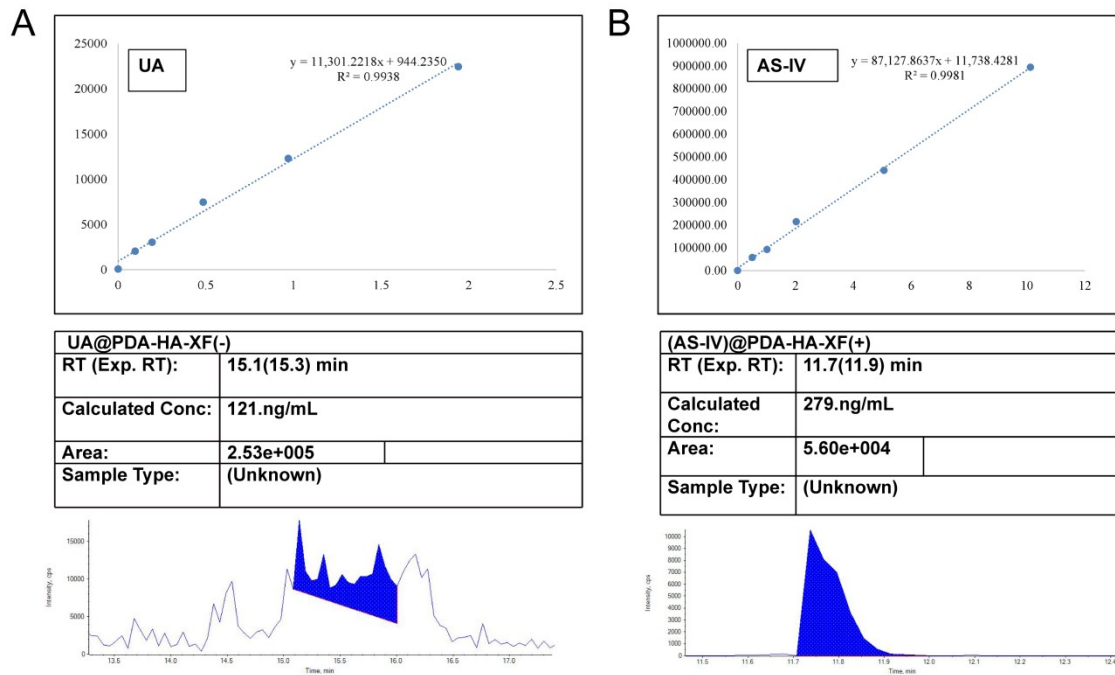


Figure S2. Quantification of the encapsulation rate of nanomedicines using liquid chromatograph mass spectrometer (LC-MS).

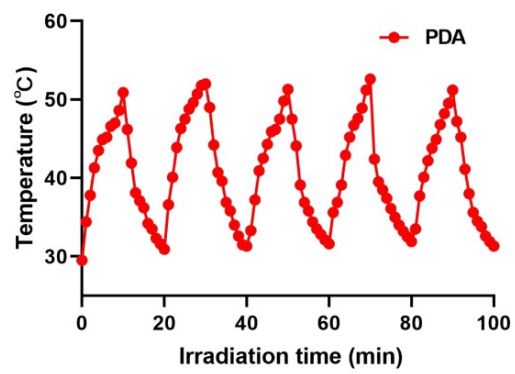


Figure S3. Temperature change curves of PDA (0.6 mg/mL) over five cycles of laser on/off under 808 nm laser irradiation (1 W/cm²).

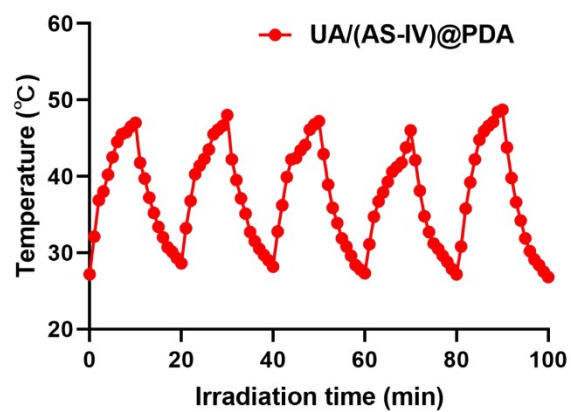


Figure S4. Temperature change curves of UA/(AS-IV)@PDA (0.6 mg/mL) over five cycles of laser on/off under 808 nm laser irradiation (1 W/cm²).

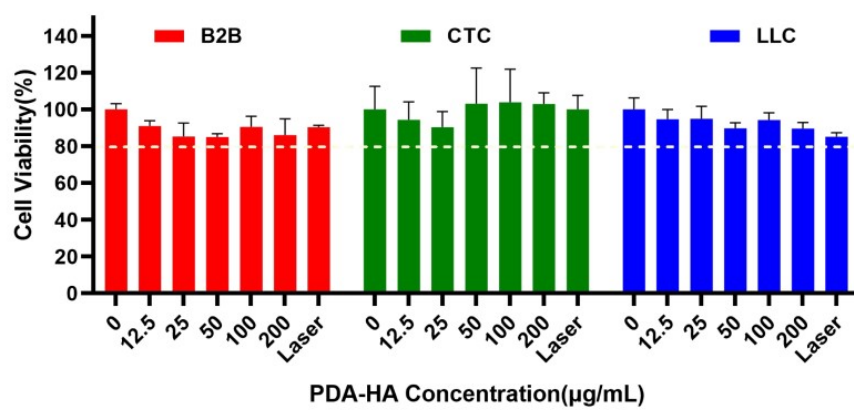


Figure S5. In vitro biocompatibility of the blank HA-modified PDA NPs (PDA-HA) and cell damage of 808 nm laser irradiation.