

Supporting Information

One-Pot Synthesis of Diphenylalanine-Based Hybrid Nanospheres for Controllable pH- and GSH- Responsive Delivery of Drugs

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Supporting Figures

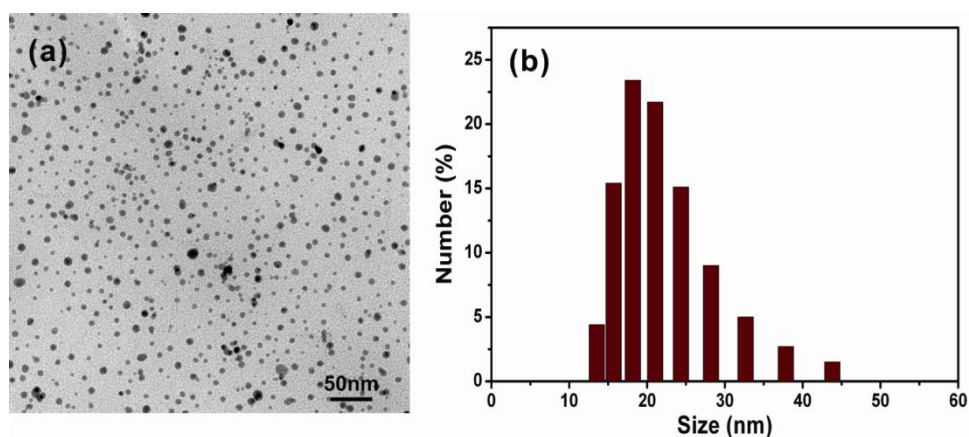


Figure S1. (a)TEM image and (b) size-distribution of Au NPs with ADA as reducing and stabilizing agent

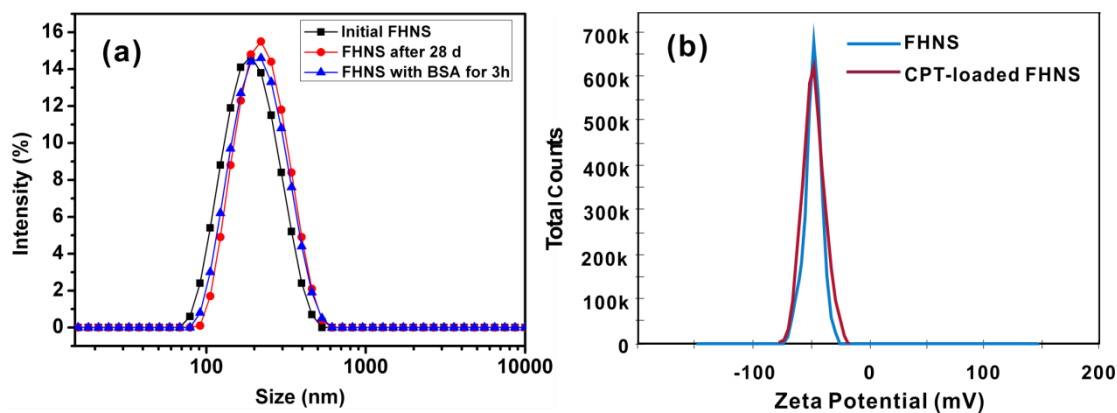


Figure S2. (a) Size-distribution of initial FHNS, FHNS kept for 28 days and FHNS incubated with BSA for 3 h. (b) Zeta potential of FHNS and the CPT-loaded FHNS.

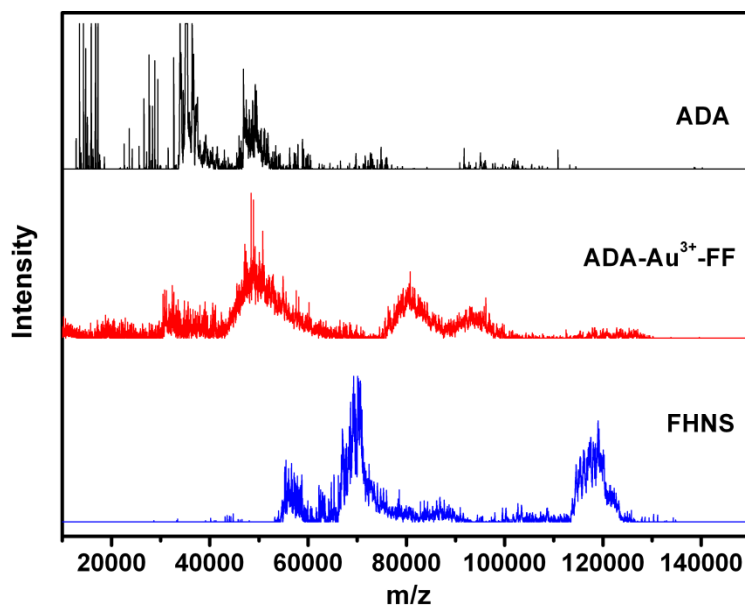


Figure S3. MALDI-TOF mass patterns of ADA, the mixture of ADA-Au³⁺-FF and the obtained FHNS.

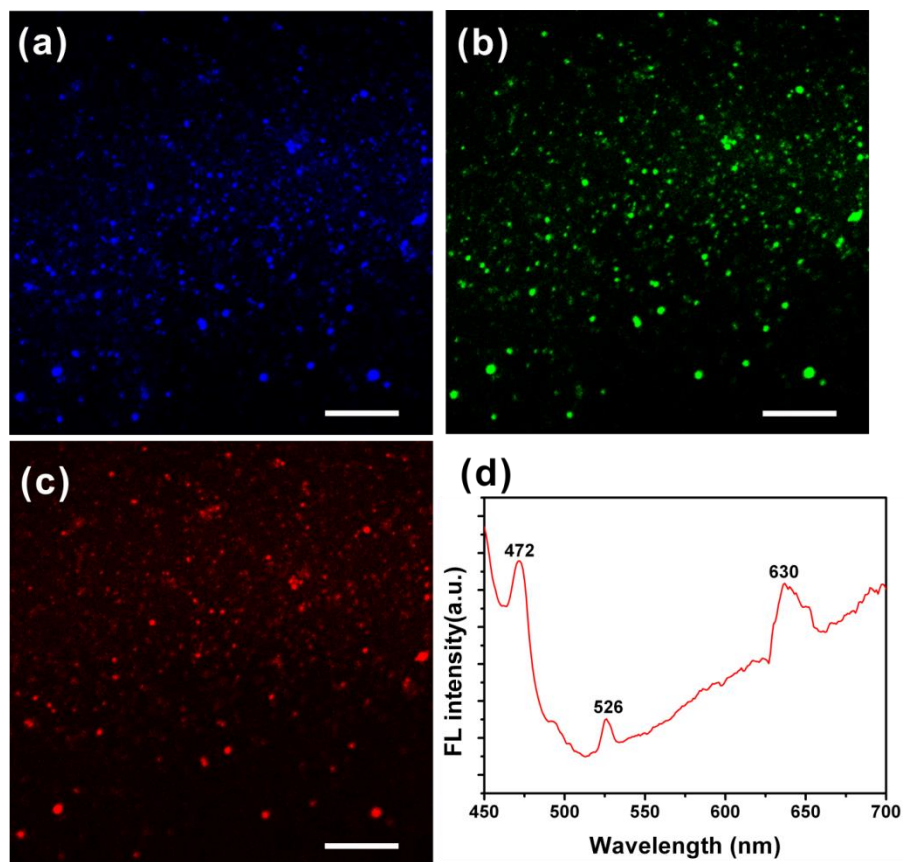


Figure S4. CLSM images of FHNS excited by 405 nm laser and collected at a) blue (430–480 nm), b) green (500–550 nm), and c) red (590–640 nm) channels. Scale bars are 10 μm . d) FL spectrum of FHNS powder dispersed in water excited at 405 nm.

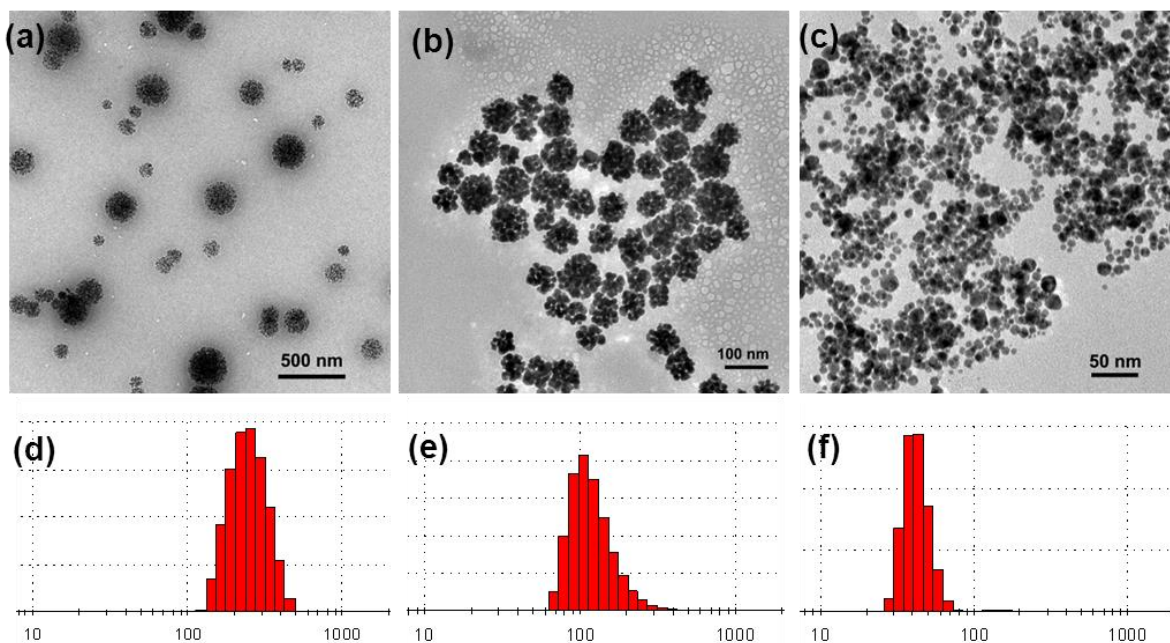


Figure S5. TEM images and size-distribution of (a,d) initial CPT-loaded FHNS, (b,e) incubated at pH=5.0 and (c,f) at pH=5.0 with 10 mM GSH.

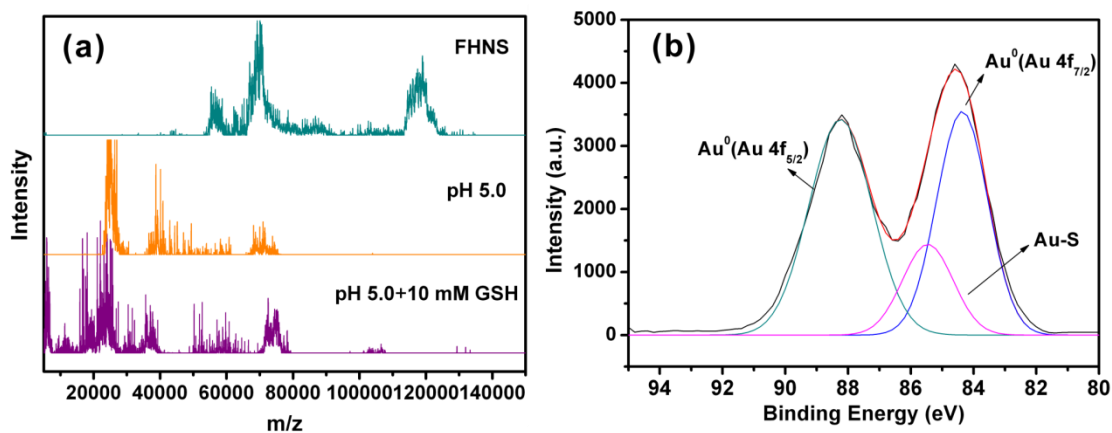


Figure S6. a) MALDI-TOF mass patterns of FHNS dissolved in water in the process of disassembly. b) XPS scans of Au elements in the disassembled Au NPs.