

Electronic Supplementary Information

Scalable fabrication of metal-phenolic nanoparticle by coordination-driven flash nanocomplexation for cancer theranostics

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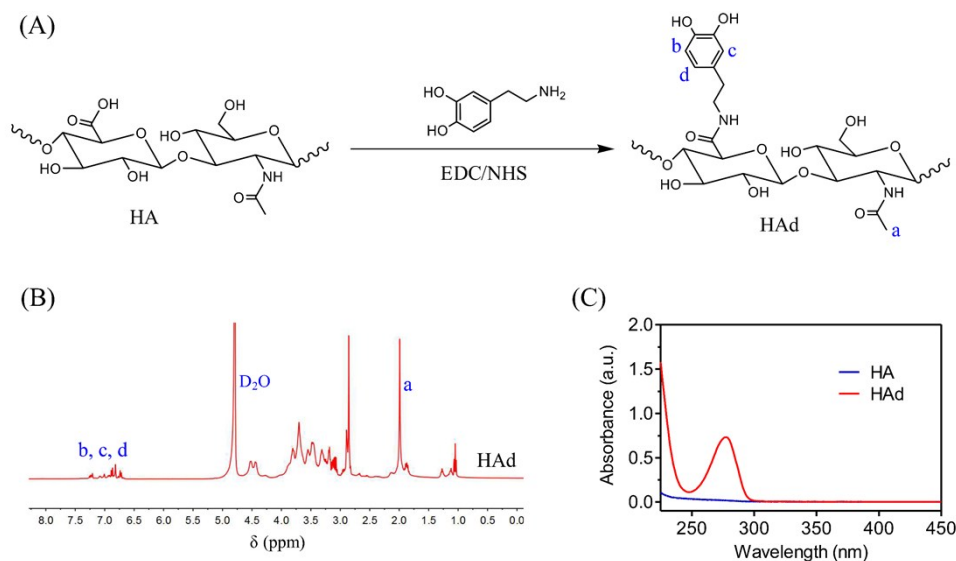


Fig. S1 Synthesis and characterization of HAd. (A) Synthetic route of HAd. (B) ^1H NMR spectrum of HAd (10 mg/mL) in D_2O . (C) UV-vis spectra of HA and HAd solution with a concentration of 0.5 mg/mL, respectively.

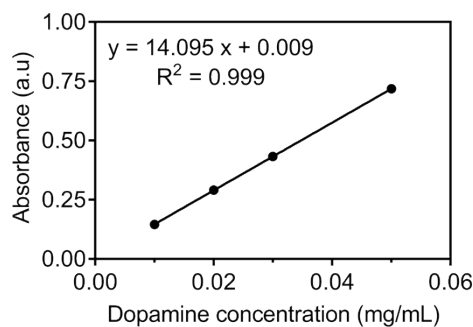


Fig. S2 Calibration curve of UV-vis absorbance of free dopamine solution at 280 nm.

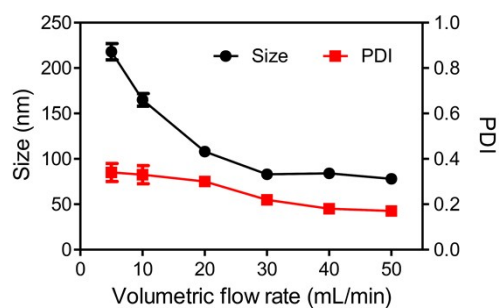


Fig. S3 Effect of flow rates on the hydrodynamic diameter and PDI of DITH. The prepared conditions: 1 mg/mL DOX, 1.2 mM iron(III), 0.2 mg/mL TA and 2 mg/mL HAd.

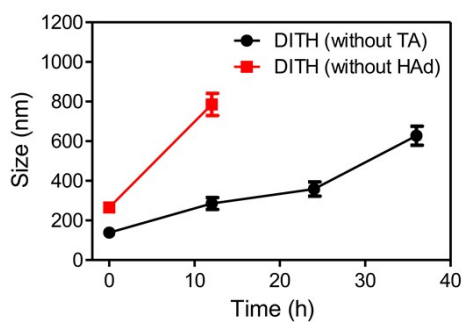


Fig. S4 Colloidal stability of the DITH produced by a cFNC process without using TA or HAd component, respectively.

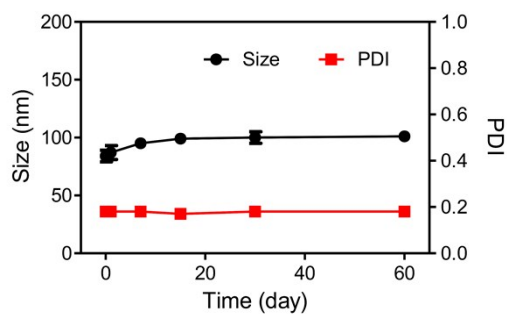


Fig. S5 Colloidal stability of the optimized DITH after long-term storage at 4 °C.

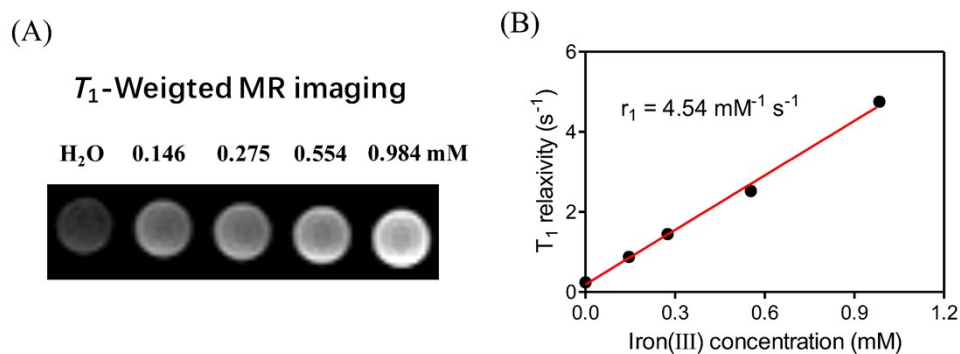


Fig. S6 (A) T_1 -weighted MR images of DITH with various concentrations of iron(III). (B) R_1 relaxivity of DITH as a function of molar concentration of iron(III) in solution.