Supporting information

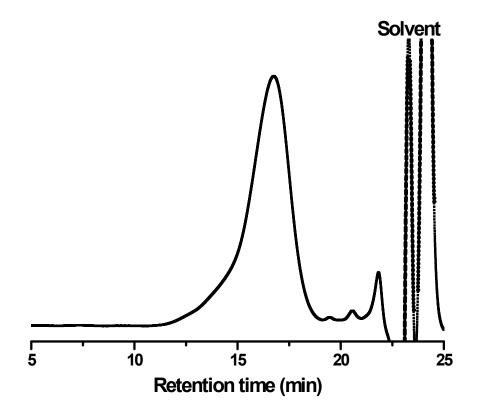


Figure S1. GPC curve of PPC-DA.

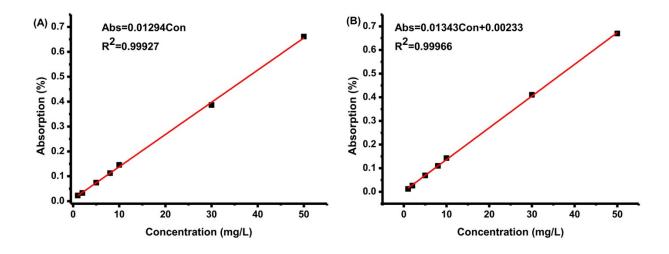


Figure S2. Calibration curves of DOX in 0.01 M pH 7.4 PBS (A) and 0.01 M pH 5.8 PBS (B).

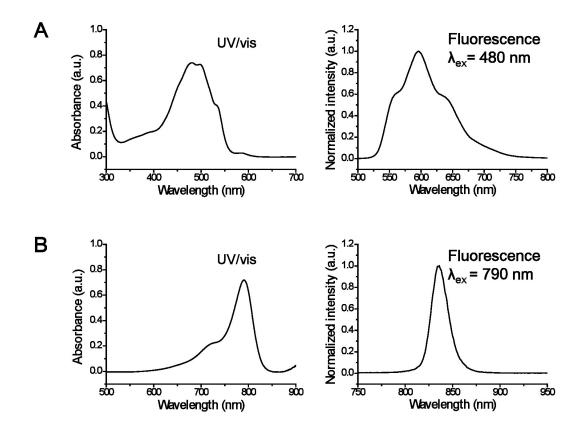


Figure S3. The UV/vis and fluorescence spectra of ND6 (A) and IR789 loaded nanoparticles (B) in DMF

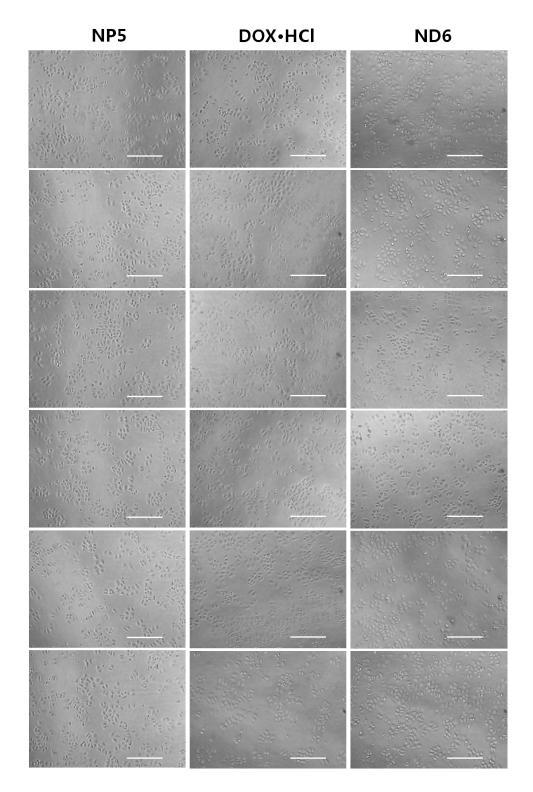


Figure S4. Morphologies of HeLa cells incubated with NP5, DOX·HCl, and ND6 instantly. The concentrations of NP5 from top to bottom were 0.01, 0.1, 1, 10, 100, and 1000 mg/L; while those of the DOX were 0.01, 0.1, 1, 2.5, 5, and 10 mg/L. Scale bar 20 μm.

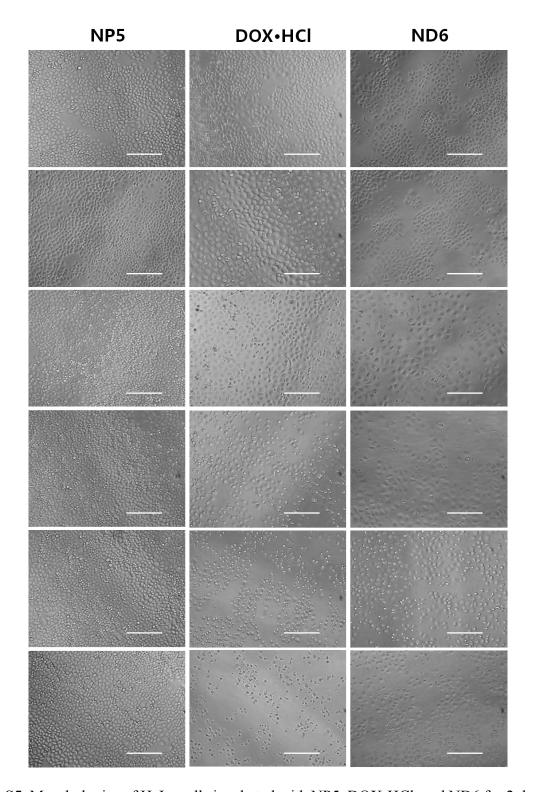


Figure S5. Morphologies of HeLa cells incubated with NP5, DOX·HCl, and ND6 for 2 days. The concentrations of NP5 from top to bottom were 0.01, 0.1, 1, 10, 100, and 1000 mg/L; while those of the DOX were 0.01, 0.1, 1, 2.5, 5, and 10 mg/L. Scale bar 20 μ m.

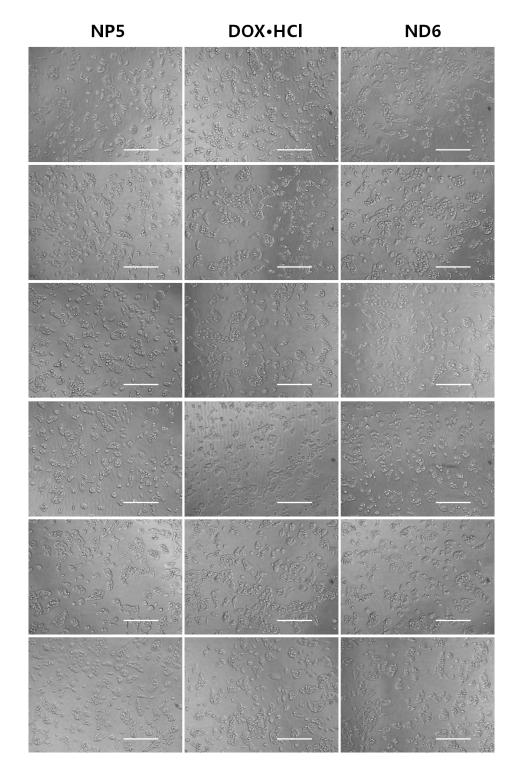


Figure S6. Morphologies of HepG2 cells incubated with NP5, DOX·HCl, and ND6 instantly. The concentrations of NP5 from top to bottom were 0.01, 0.1, 1, 10, 100, and 1000 mg/L; while those of the DOX were 0.01, 0.1, 1, 2.5, 5, and 10 mg/L. Scale bar 20 μ m.

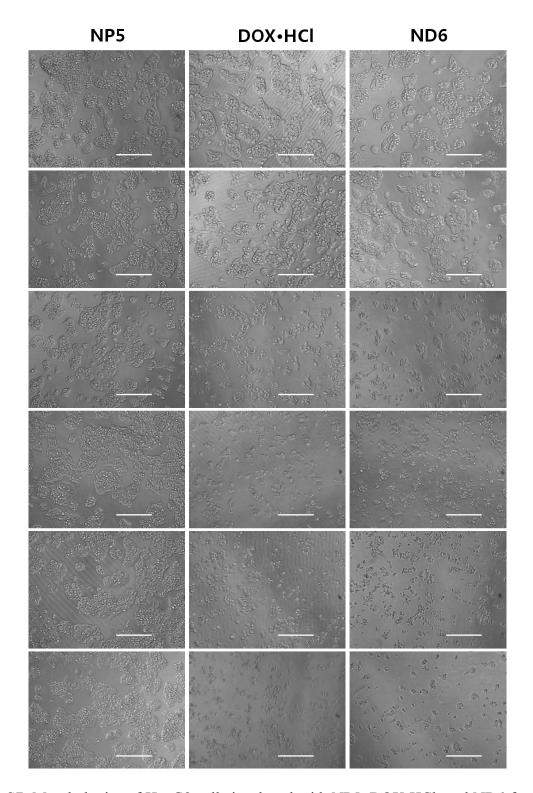


Figure S7. Morphologies of HepG2 cells incubated with NP5, DOX·HCl, and ND6 for 2 days. The concentrations of NP5 from top to bottom were 0.01, 0.1, 1, 10, 100, and 1000 mg/L; while those of the DOX were 0.01, 0.1, 1, 2.5, 5, and 10 mg/L. Scale bar 20 μ m.

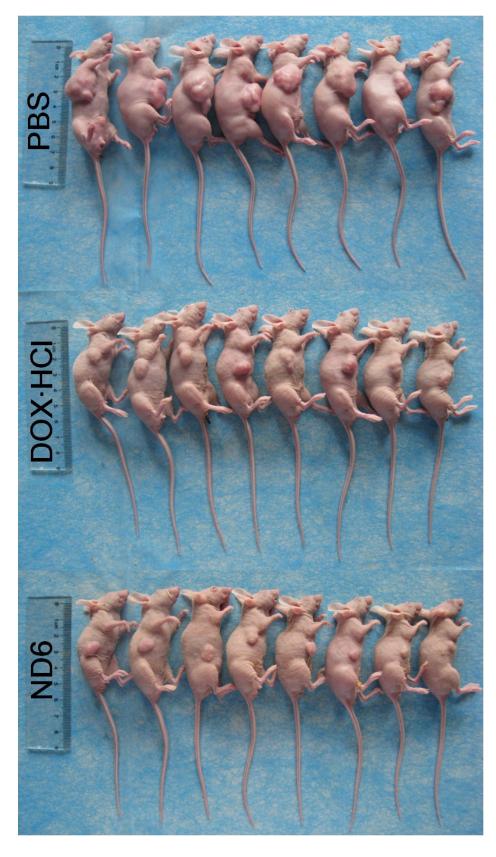


Figure S8. Photographs of tumor-bearing mice treated by PBS, DOX·HCl, or ND6.