

Supplementary information

Mitochondria and nuclei dual-targeted hollow carbon nanospheres for cancer chemo-photodynamic synergistic therapy

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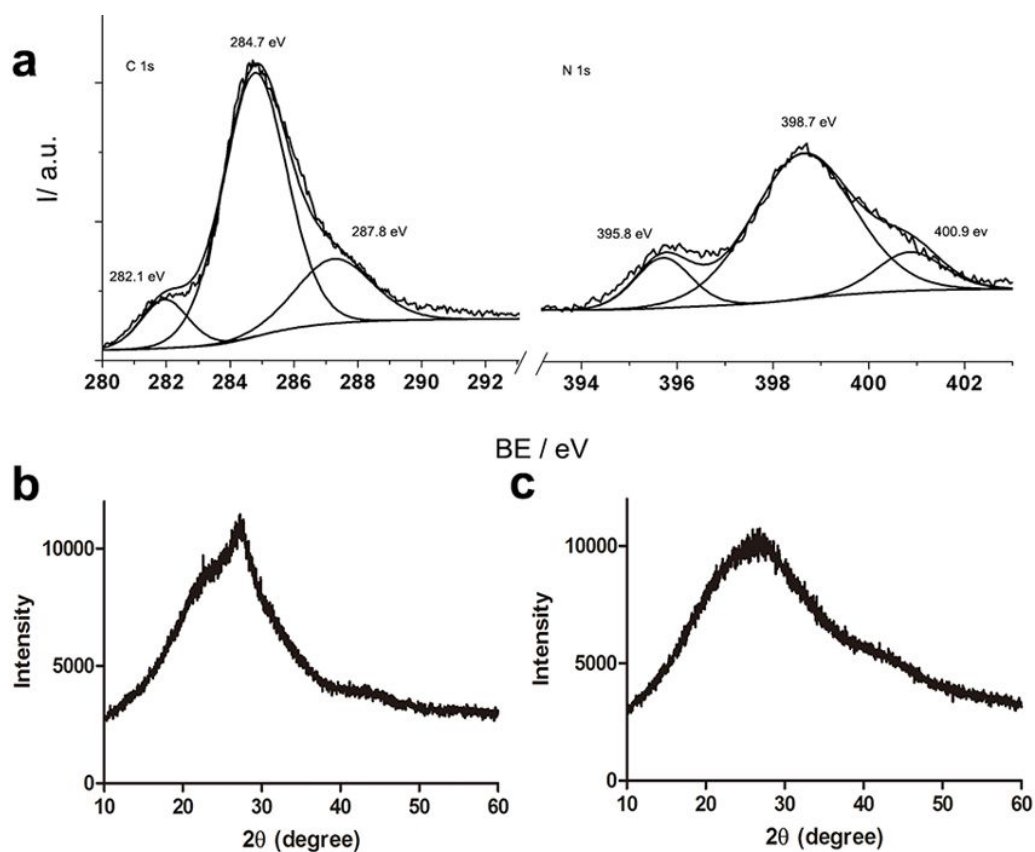


Figure. S1. (a) XPS spectra of HCNS. XRD patterns of HCNS (b) and HKH (c). Nanoparticles show only one reflection peak at 27.14 °.

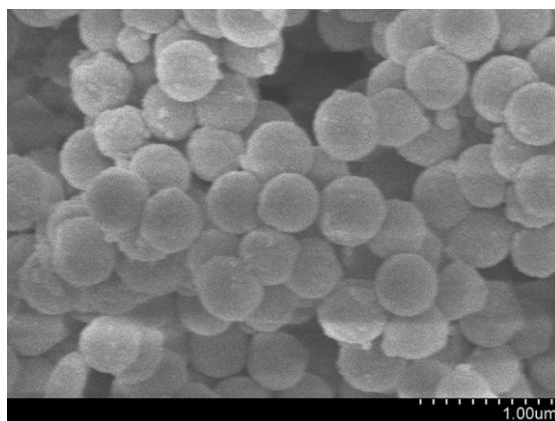


Figure. S2. SEM image of HCNS.

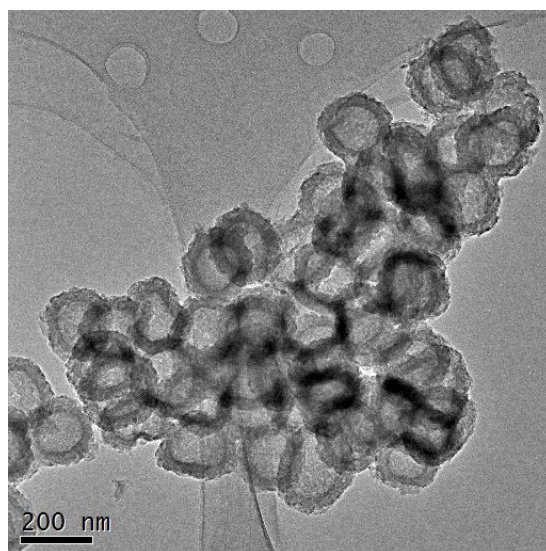


Figure. S3. TEM image of HCNS.

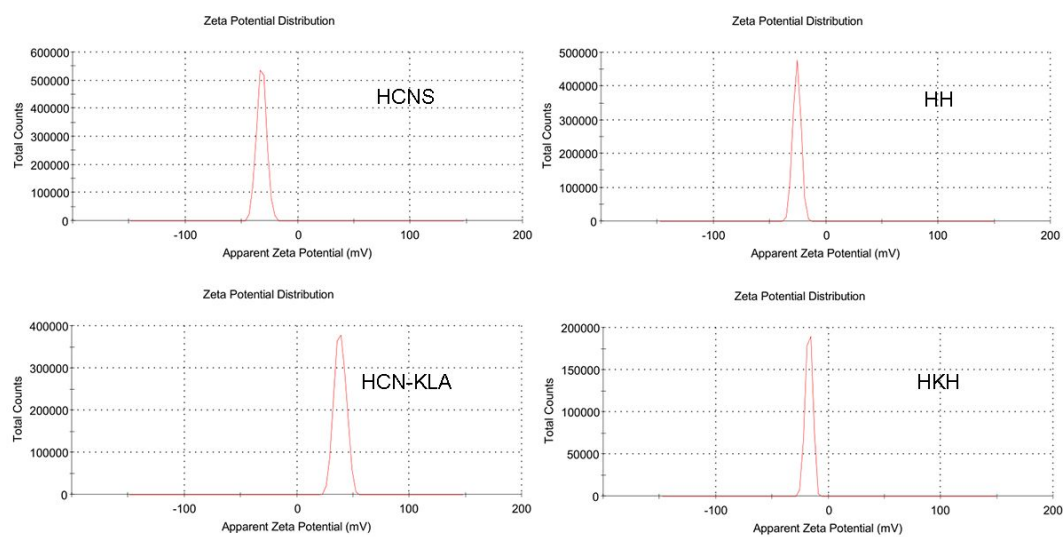


Figure. S4. Zeta potential of HCNS, HH, HCN-KLA and HKH.

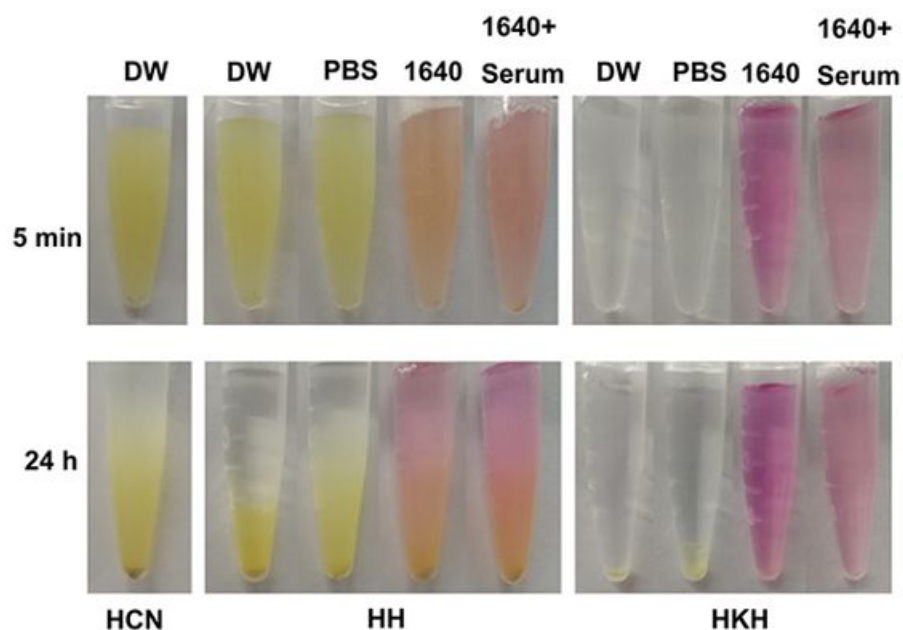


Figure. S5. Photos of three types of 2 mg mL⁻¹ nanoparticles (HCNS, HH and HKH) in deionized water (DW), PBS, RPMI 1640 and cell culture medium (RPMI 1640 +10% serum) before and after 24 h storage.

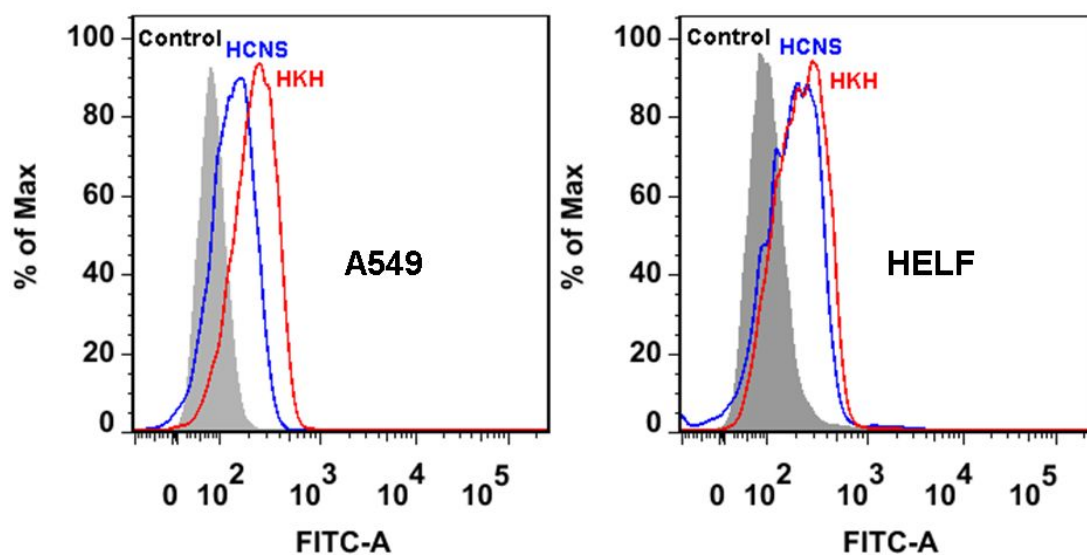


Figure. S6. Flow cytometric analysis of A549 and HELF cells incubated with HCNS and HKH for 4 hours.

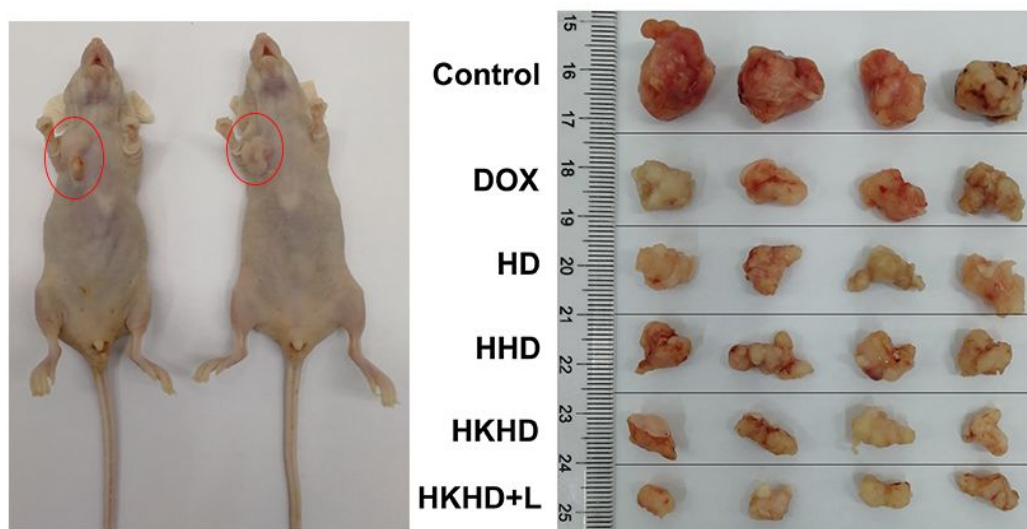


Figure. S7. The picture of the A549 tumor-bearing mice and tumors excised from euthanized A549 tumor-bearing mice.