Supporting Information

A nano-integrated diagnostic and therapeutic platform with oxidation-reduction reactions in tumor microenvironment

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Figure S1. EDS pattern of MnO₂



Figure S2. Flow cytometry to detect apoptotic induction of H_2PtCl_6 (20 µg/mL)



Figure S3. Immunofluorescence staining of γ -H2AX foci in HCT-116 cells treated with H₂PtCl₆ (20 µg/mL), in which green represents DAPI, and red represents Cy3 labeled double-strand breaks in DNA. Scale bar: 50 µm



Figure S4. TEM images of HA-H₂PtCl₆ at different ratios of HA/ H₂PtCl₆. The scales are 200, 500, and 2000 nm, respectively



Figure S5. EDS pattern of MHP



Figure S6. TEM images of MHP after incubation in saline at $H_2O_2=100 \ \mu\text{M}/\text{pH}=6.5$ overnight. Scale bar: 100