## **Supporting Information**

## Ferrocene Functionalized UCNP Nanosystem with Efficient Near-Infrared-Light Promoted Fenton-like Reaction for Tumor Growth Suppression

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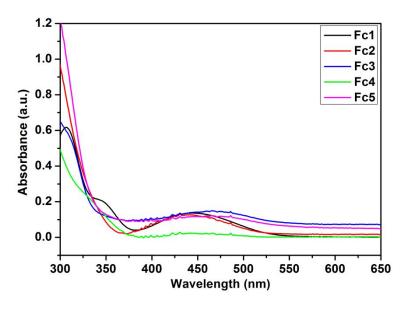
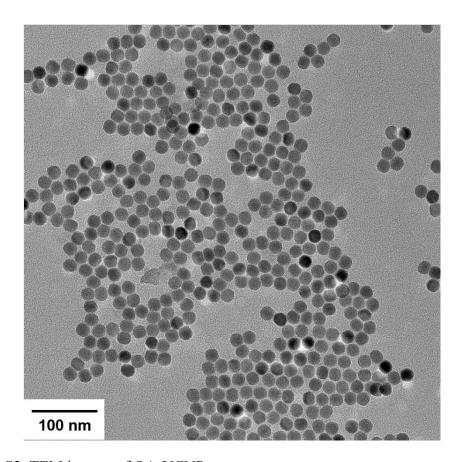
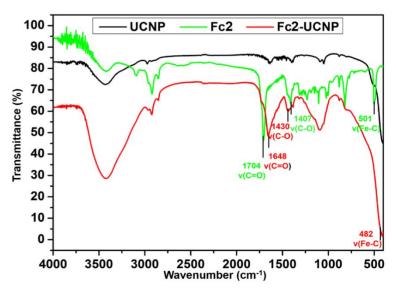


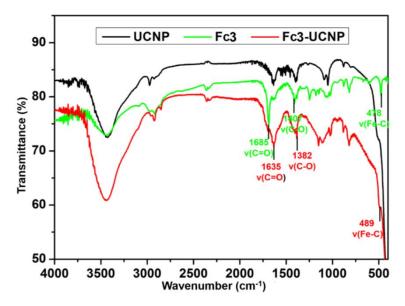
Figure S1. Absorption spectra of Fc1-Fc5 in CH<sub>3</sub>CN.



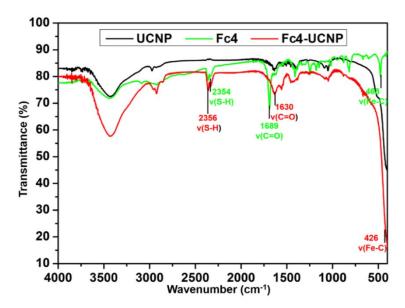
**Figure S2.** TEM images of OA-UCNP.



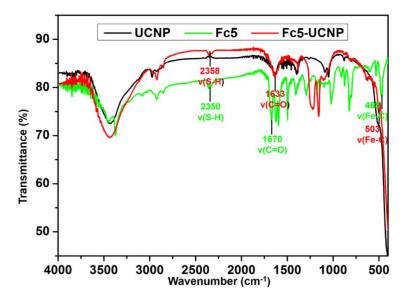
**Figure S3.** FTIR spectra of UCNP (black line), **Fc2** (green line) and **Fc2**-UCNP (red line).



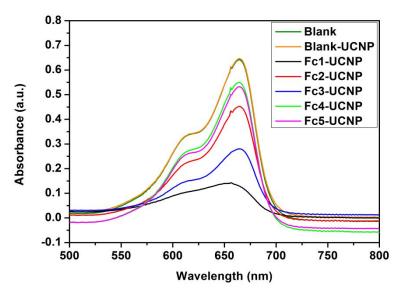
**Figure S4.** FTIR spectra of UCNP (black line), **Fc3** (green line) and **Fc3**-UCNP (red line).



**Figure S5.** FTIR spectra of UCNP (black line), **Fc4** (green line) and **Fc4**-UCNP (red line).



**Figure S6.** FTIR spectra of UCNP (black line), **Fc5** (green line) and **Fc5**-UCNP (red line).



**Figure S7.** UV-Vis absorption spectra of removal of MB.

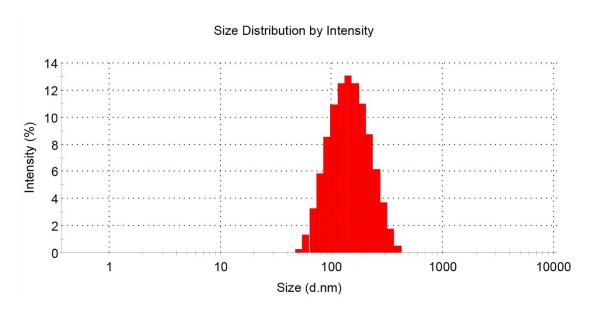


Figure S8. The DLS distribution graph of OA-UCNP-Lipo.

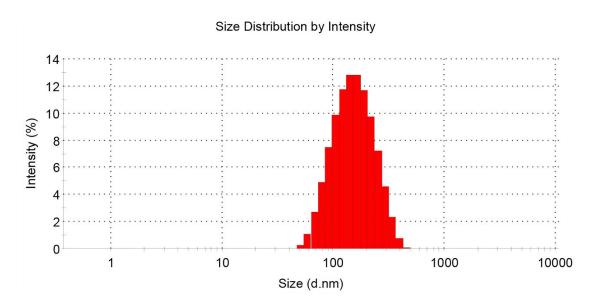


Figure S9. The DLS distribution graph of Fc1-UCNP-Lipo.

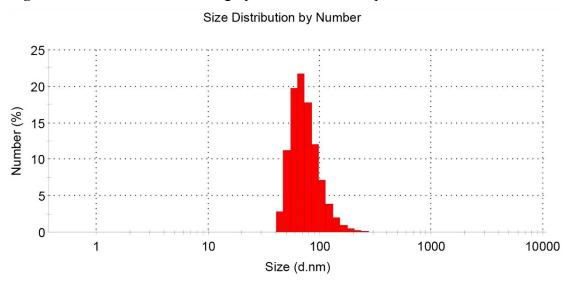


Figure S10. The DLS distribution graph of Fc2-UCNP-Lipo.

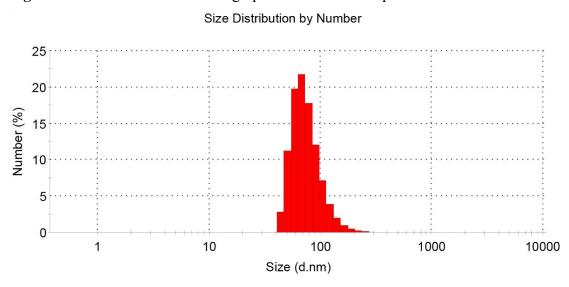


Figure S11. The DLS distribution graph of Fc3-UCNP-Lipo.

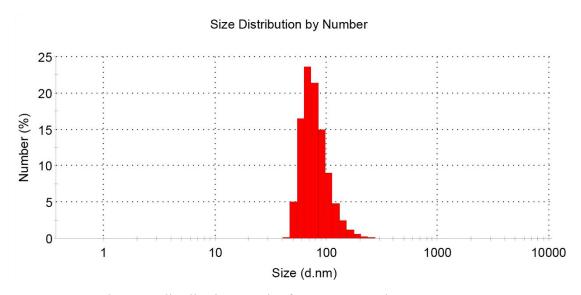


Figure S12. The DLS distribution graph of Fc4-UCNP-Lipo.

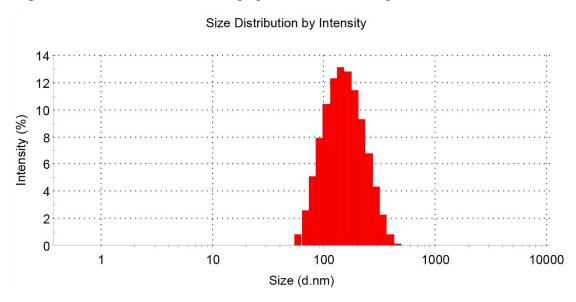


Figure S13. The DLS distribution graph of Fc5-UCNP-Lipo.

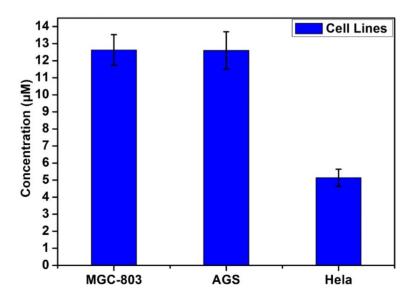
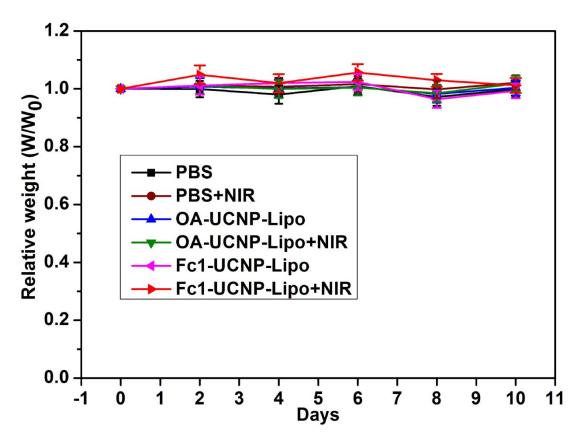


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