

Electronic Supplementary Information (ESI):

Highly Selective Phosphorescent Nanoprobes for Sensing and Bioimaging of Homocysteine and Cysteine

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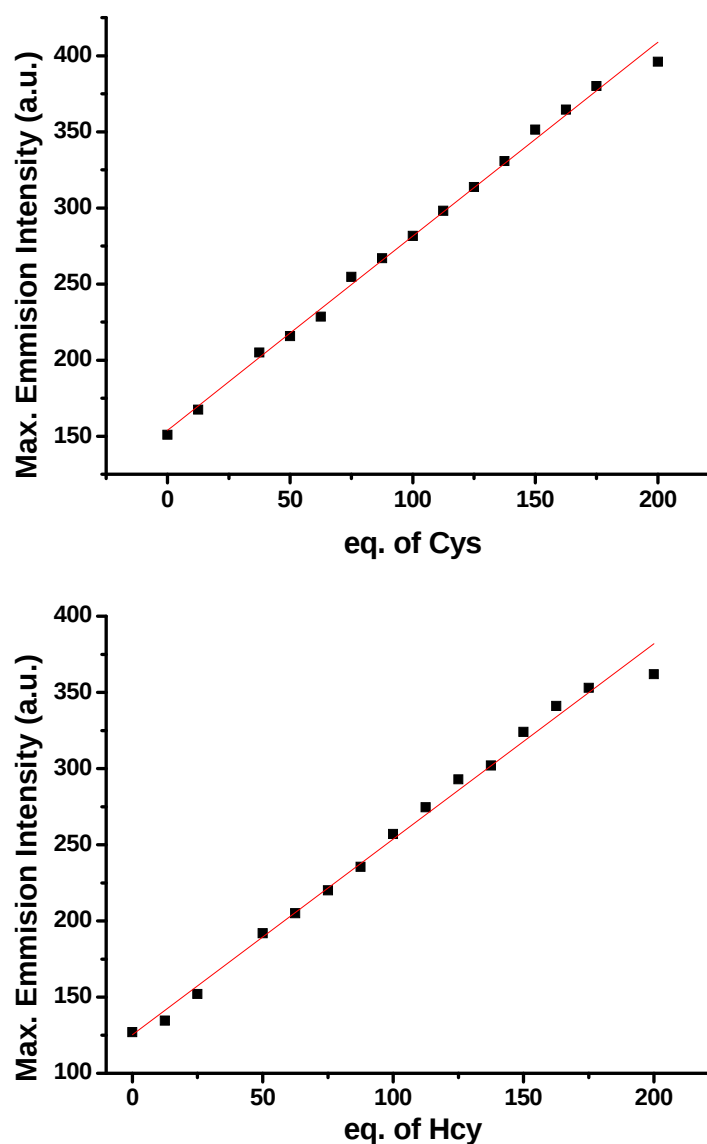


Fig. S1 Titration curve of **Ir-MSN** with Cys and Hcy (0-200 equiv).

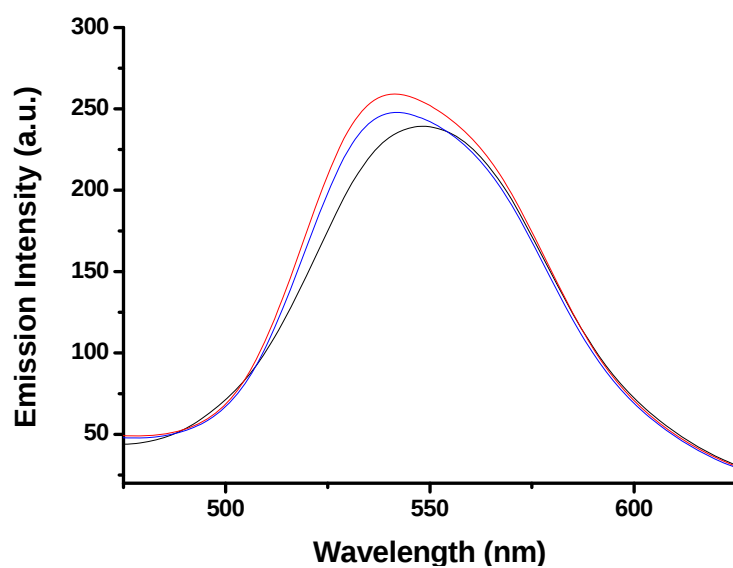


Fig. S2 Changes in the emission spectra of Ir-MSN (2 mg/mL) in PBS buffer (pH 7.4) with various amounts of glutathione.

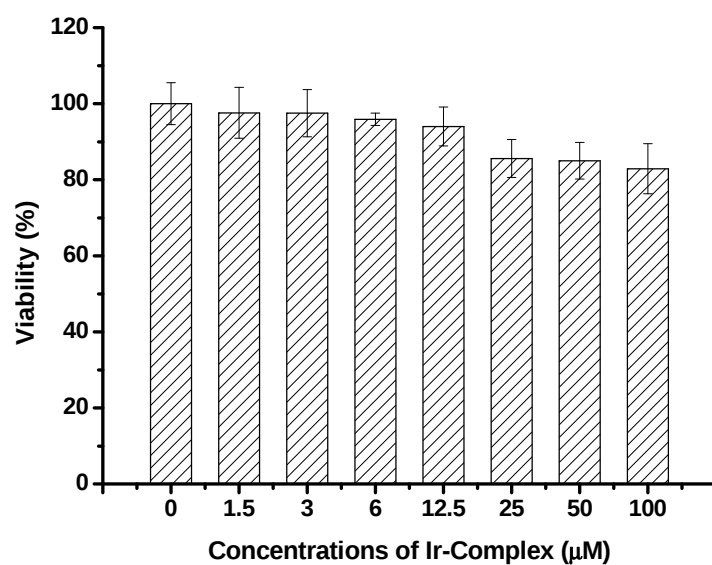


Fig. S3 Cell viability values (%) assessed by MTT proliferation test versus incubation concentrations of 1.5-100 μM MSN-free complex at 37 °C for 24 h.

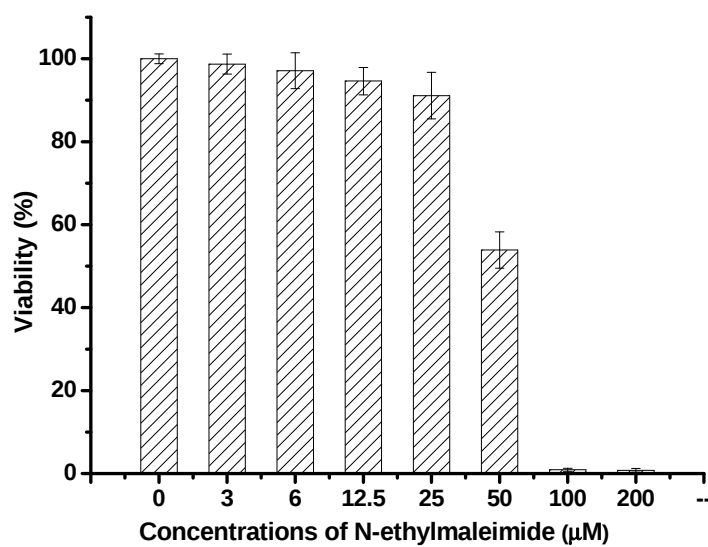


Fig. S4 Cell viability values (%) assessed by MTT proliferation test versus incubation concentrations of 3-200 μM *N*-ethylmaleimide at 37 °C for 24 h.