

Supplementary Information

Redox-Responsive NIR Fluorescent Nanoprobe for Tumor Microenvironment-Activated Surgical Navigation with Submillimeter Precision

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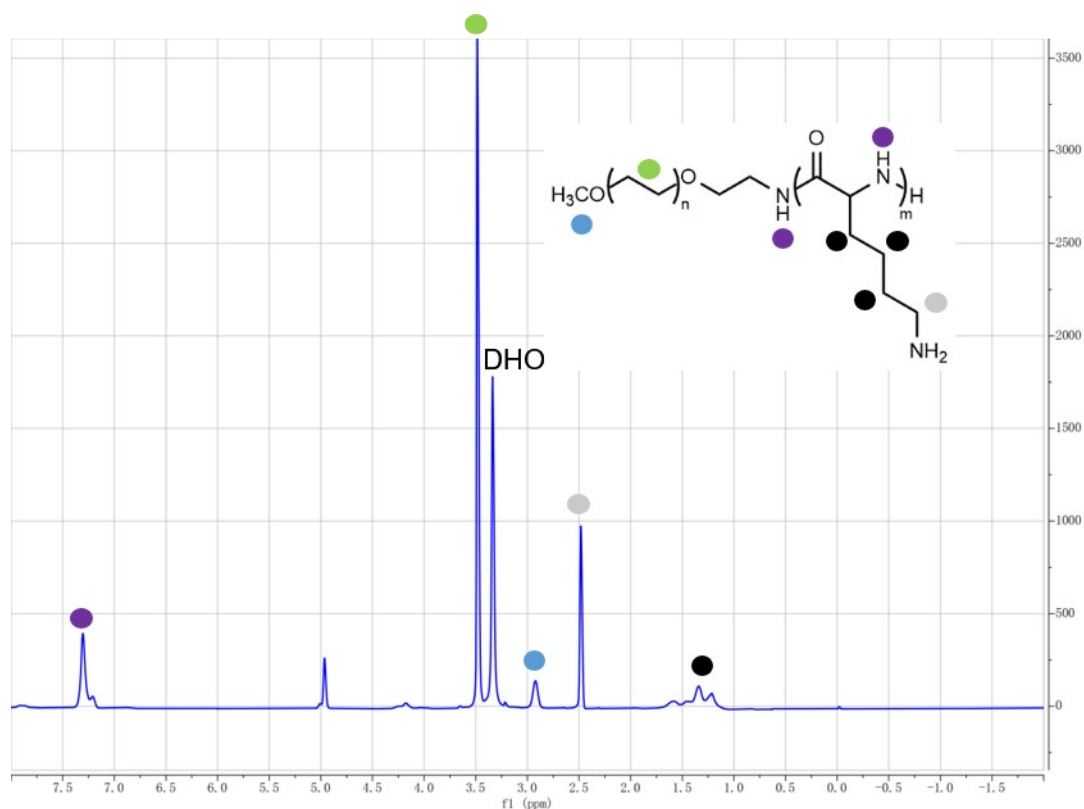


Fig. S1 ¹H NMR Spectrum of PEG-pLys.

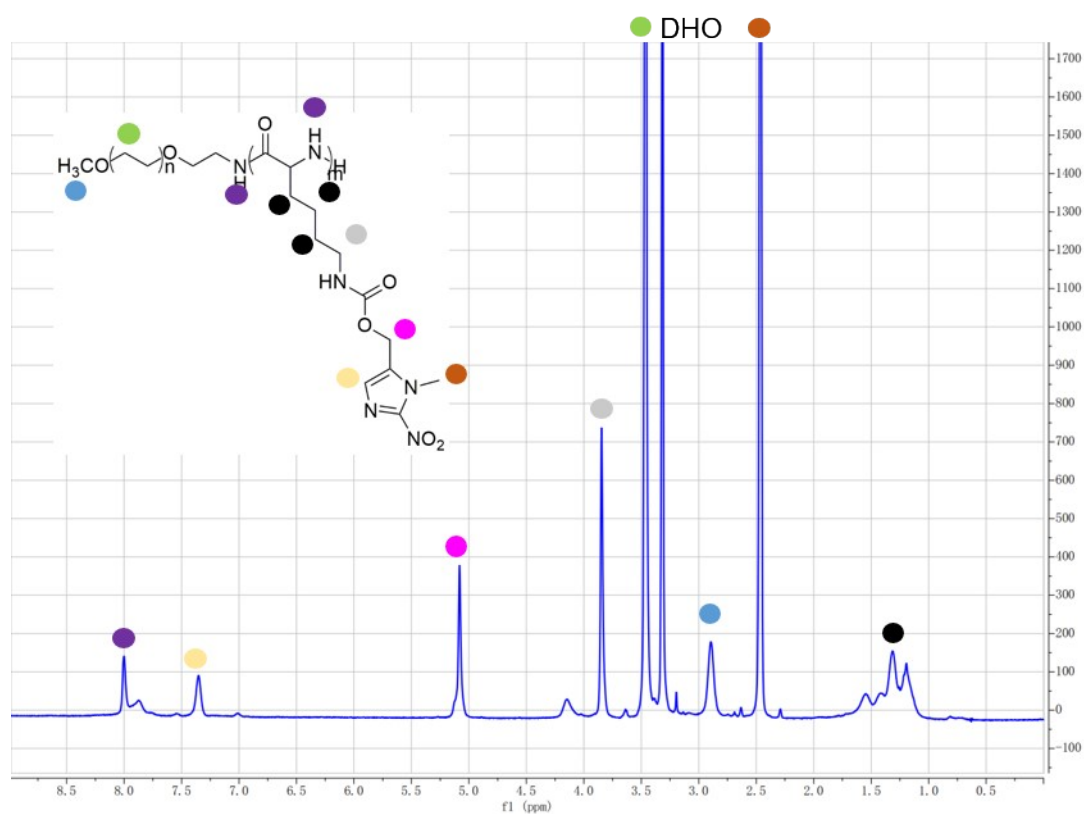


Fig. S2 ^1H NMR Spectrum of PEG-NI.

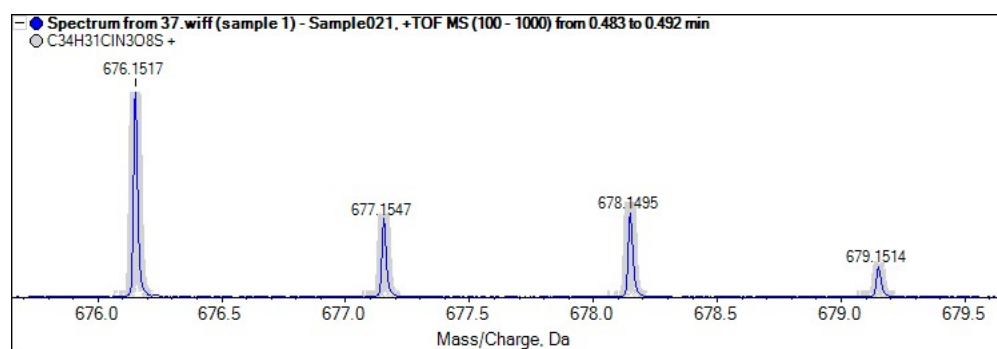


Fig. S3 High resolution mass spectrometer of DNS-DYE.

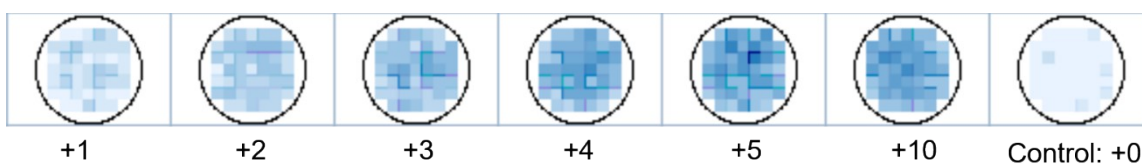


Fig. S4 Fluorescence response of the nanoprobe to varying numbers of MDA-MB-231 cells. The near-infrared probe (1 mM) was pre-added to cell culture dishes and incubated with 1, 2, 3, 4, 5, and 10×10^4 MDA-MB-231 cells at 37 °C for 12 h. Fluorescence intensity was measured using a microplate reader.

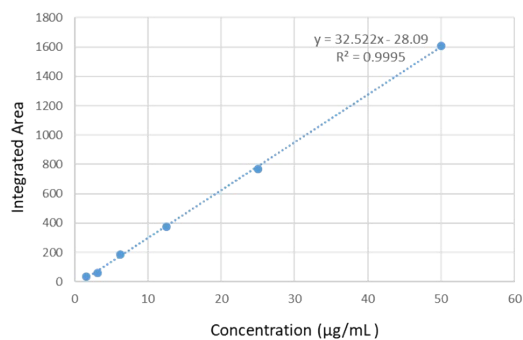


Fig. S5 The standard curve of DNS-DYE using HPLC (with UV detector).