Supporting information

A mitochondria targetable dimethylphosphorothionatebased far-red and colorimetric fluorescent probe with large Stokes shift for monitoring peroxynitrite in living cells

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Fig. S2 ¹³C NMR spectrum of PCPA (100 MHz, DMSO- d_6).



Fig. S3 TOF-MS spectrum of PCPA.



Fig. S4 Fluorescence intensity of PCPA in the presence of ONOO⁻ containing other analytes in PBS (20 mM, pH 7.4, 10% DMSO). (1) H₂O₂, (2) ClO⁻, (3) ONOO⁻, (4) NO, (5) ¹O₂, (6)·OH, (7) NO₃⁻, (8) TBHP, (9) O₂⁻, (10) HNO, (11) F⁻, (12) Cl⁻, (13) Br⁻, (14) I⁻, (15) Ac⁻, (16) SO₃²⁻, (17) S₂O₃²⁻, (18) S²⁻, (19) Cys, (20) Hcy, (21) GSH⁻, (22) K⁺, (23) Mg²⁺, (24) Zn²⁺, (25) Al³⁺. $\lambda_{ex} = 445$ nm, $\lambda_{em} = 645$ nm.







Fig. S6 TOF-MS spectrum of PCPA + ONOO⁻.



Fig. S7 Cytotoxicity assays of PCPA with different concentrations (2, 4, 6, 8, 10 and 12 μ M) in HeLa cells.