Supplementary Information for

Dihydropyridine-Based Fluorescence Probe for Nitric Oxide

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1. Materials and methods

The nitric oxide (NO) stock solution in de-ionized water was prepared by bubbling NO into deoxygenated de-ionized water for 15 min.¹ Singlet oxygen ($^{1}O_{2}$) was generated from ClO⁻ and H₂O₂. Peroxynitrite was generated from amyl nitrite and H₂O₂ following literature procedures.² Superoxide radical anion (O₂⁻) was from KO₂.

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2. Appendix



Fig. S1. ¹H NMR (DMSO-*d*₆) and ¹³C NMR (DMSO-*d*₆) of compound 1a



Fig. S2. ¹H NMR (DMSO-*d*₆) and ¹³C NMR (DMSO-*d*₆) of compound 1b



Fig. S3. $^1\mathrm{H}$ NMR (CDCl_3) and $^{13}\mathrm{C}$ NMR (CDCl_3) of compound 1c



Fig. S4. $^1\mathrm{H}$ NMR (CDCl_3) and $^{13}\mathrm{C}$ NMR (CDCl_3) of compound 1d



Fig. S5. ¹H NMR (CDCl₃) and ¹³C NMR (DMSO-*d*₆) of compound DHP-1



Fig. S6 The HR-MS spectrum for probe DHP-1



Fig. S7. ¹H NMR (CDCl₃) and ¹³C NMR (DMSO-*d*₆) of compound PY-1



Fig. S8 The HR-MS spectrum for compound PY-1