Supporting Information

For

A 1,8-naphthalimide-derived turn-on fluorescent probe for imaging lysosomal nitric oxide in living cells

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Figure S1. Absorption of LysoNO-Naph (10 µM) with SNP (50 eq) in 10 minutes.

Figure S2. Absorption changes of 10 µM LysoNO-Naph in various solvents.

Figure S3. Fluorescence changes of 10 µM LysoNO-Naph in various solvents.
Fig S4. $^1$H-NMR spectra of compound 2 in DMSO-$d_6$.

Fig S5. $^1$H-NMR spectra of compound 3 in DMSO-$d_6$. 
Fig S6. $^1$H-NMR spectra of compound 4 in DMSO-$d_6$.

Fig S7. $^1$H-NMR spectra of LysoNO-Naph in DMSO-$d_6$. 
Fig S8. $^{13}$C-NMR spectra of LysoNO-Naph in DMSO-$d_6$.

Fig S9. HRMS spectra of LysoNO-Naph in methanol.