

Supporting Information

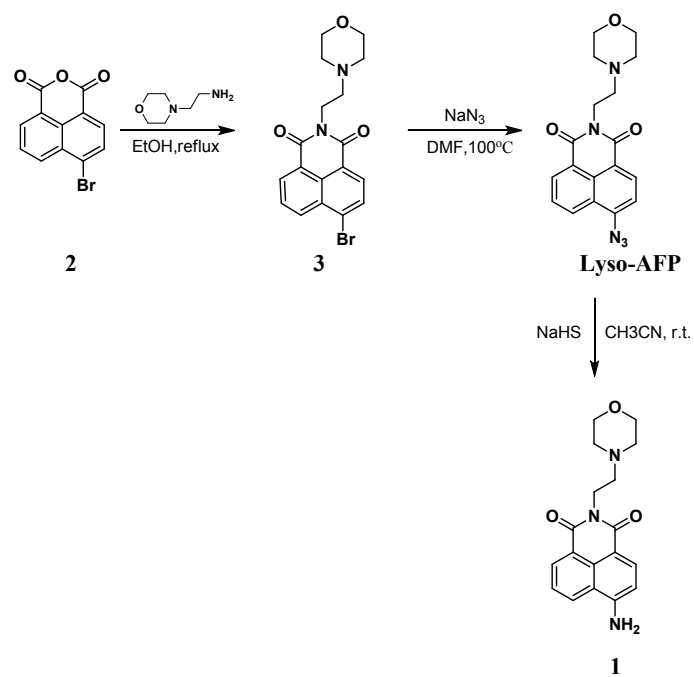
For

A turn-on fluorescent probe for imaging lysosomal hydrogen sulfide in living cells

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Scheme S1. Synthesis of Lyso-AFP.

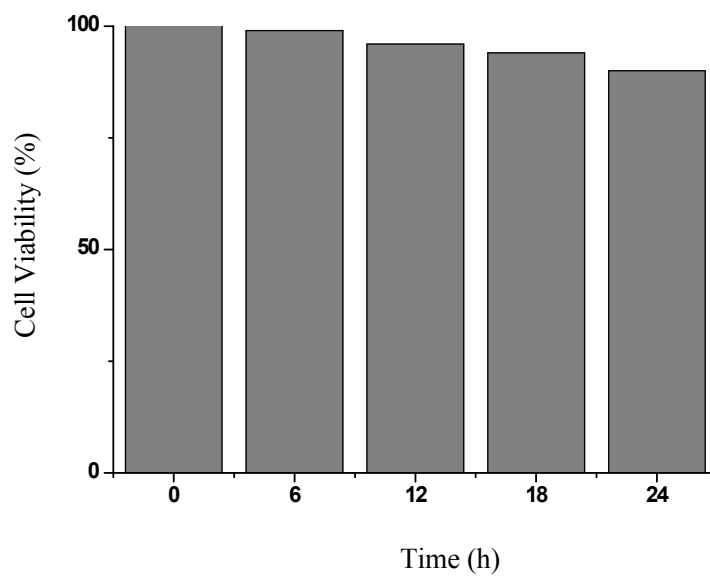


Fig S1. Cell viability of Lyso-AFP (5 μ M) at different times in HeLa cells.

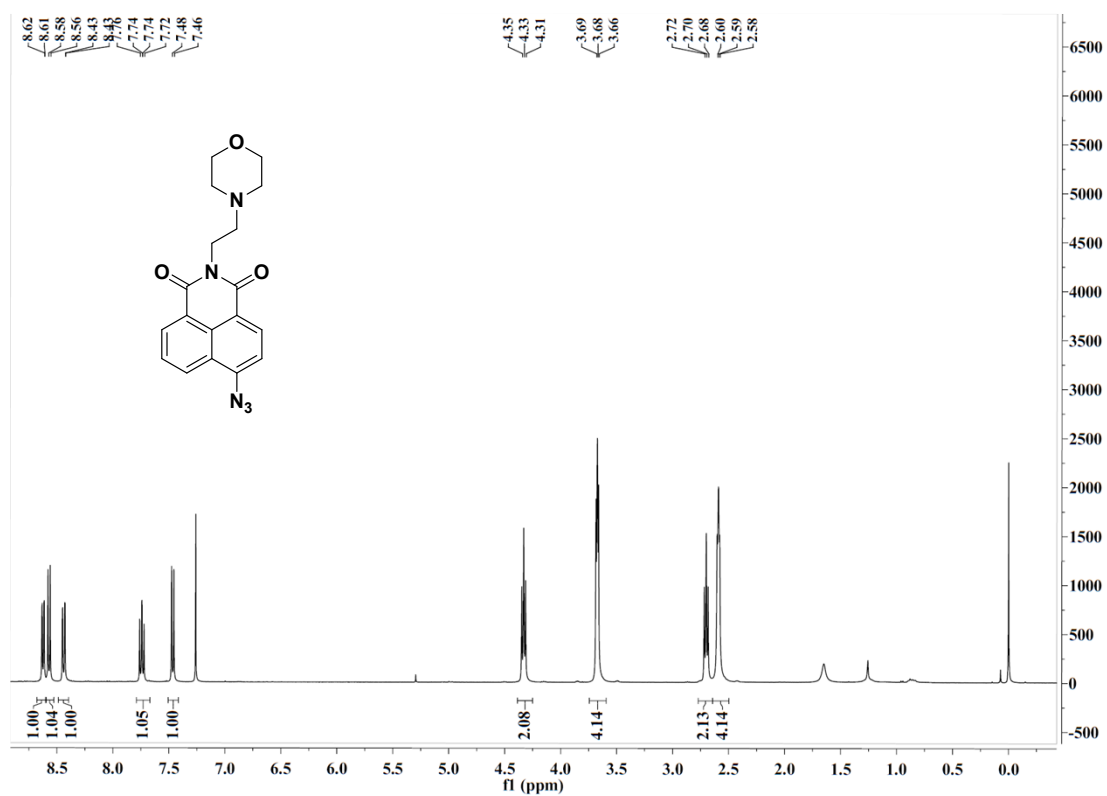


Fig S2. ¹H-NMR spectra of compound Lyso-AFP in CDCl₃.

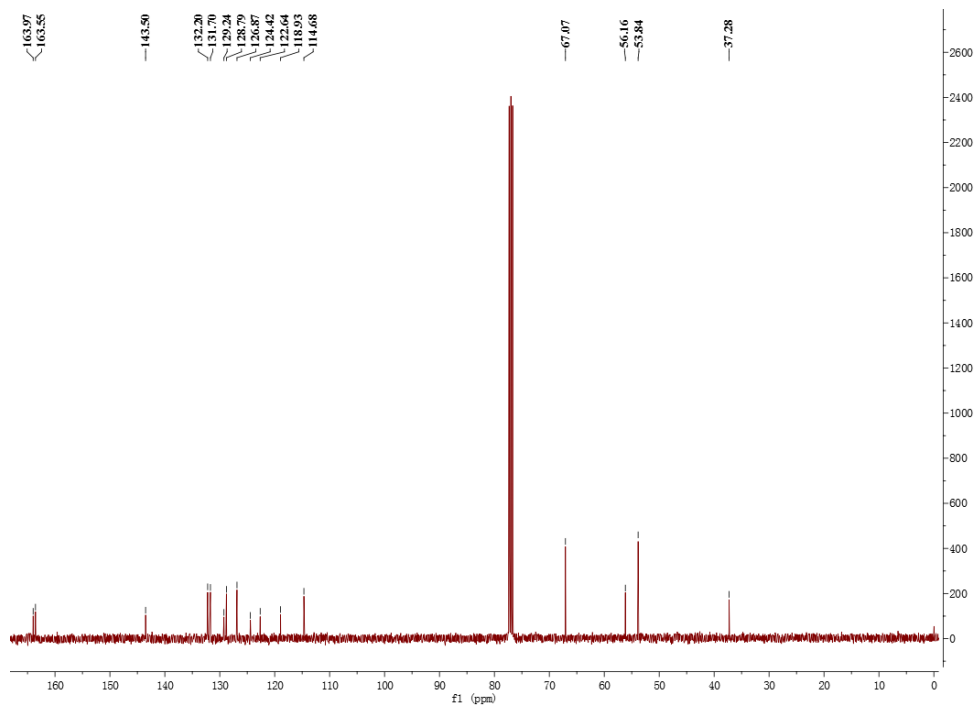


Fig S3. ¹³C-NMR spectra of compound Lyso-AFP in CDCl₃.

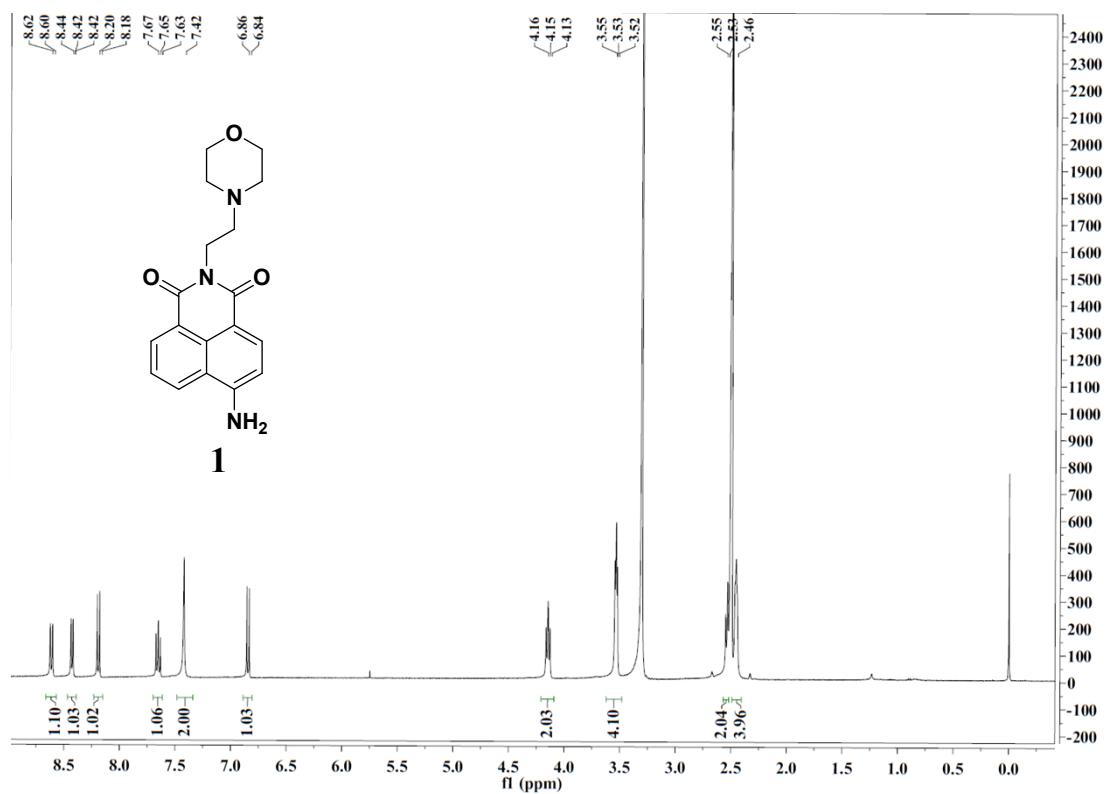


Fig S4. $^1\text{H-NMR}$ spectra of compound **1** in $d^6\text{-DMSO}$.