Supporting Information (SI)

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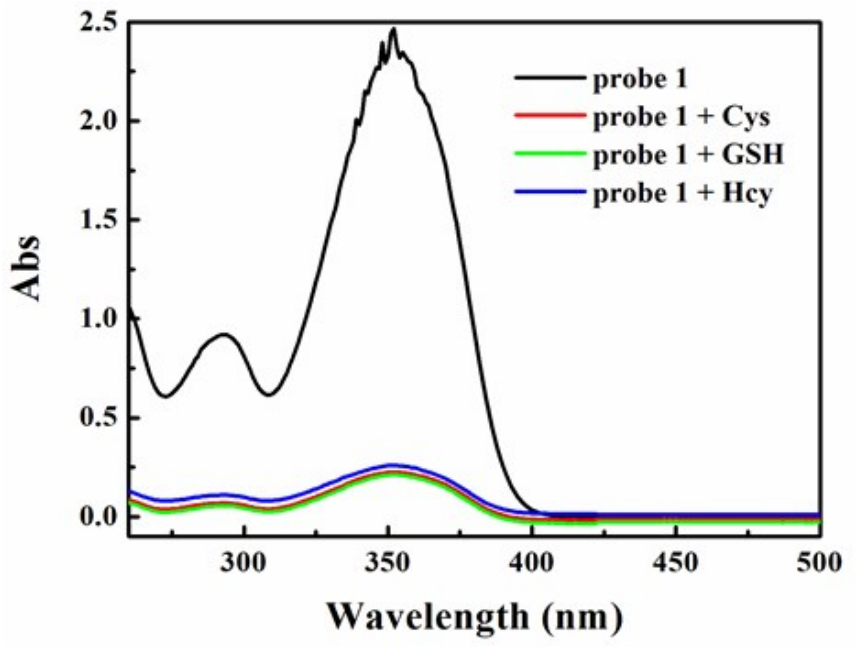

Figure S1: UV-vis absorption spectra of probe 1 towards Cys, GSH and Hcy.

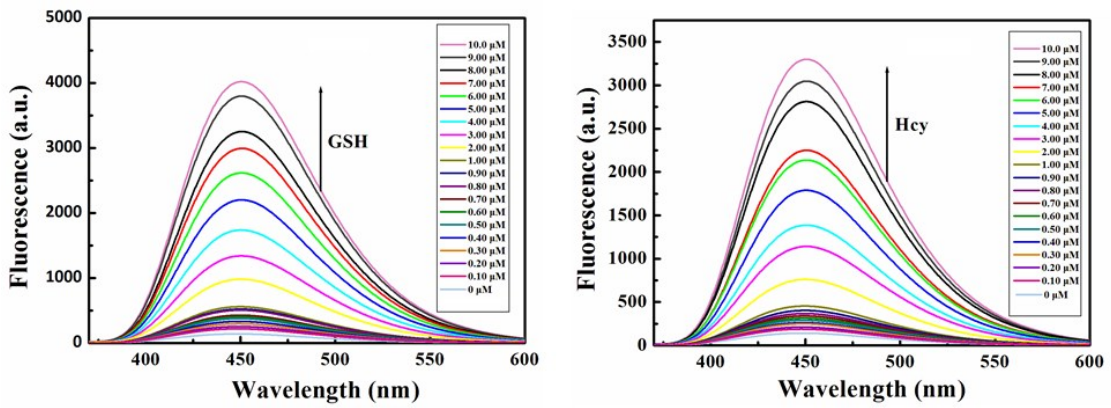

Figure S2: Fluorescence spectra of probe 1 (50.0 μM) coexistence with various concentrations of GSH and Hcy in PBS (10 mM, pH 7.4) solution (λ_{ex} = 350 nm, Ex/Em slit: 5.0/10.0 nm) at 25 ℃, and each curve was obtained after 180 s.

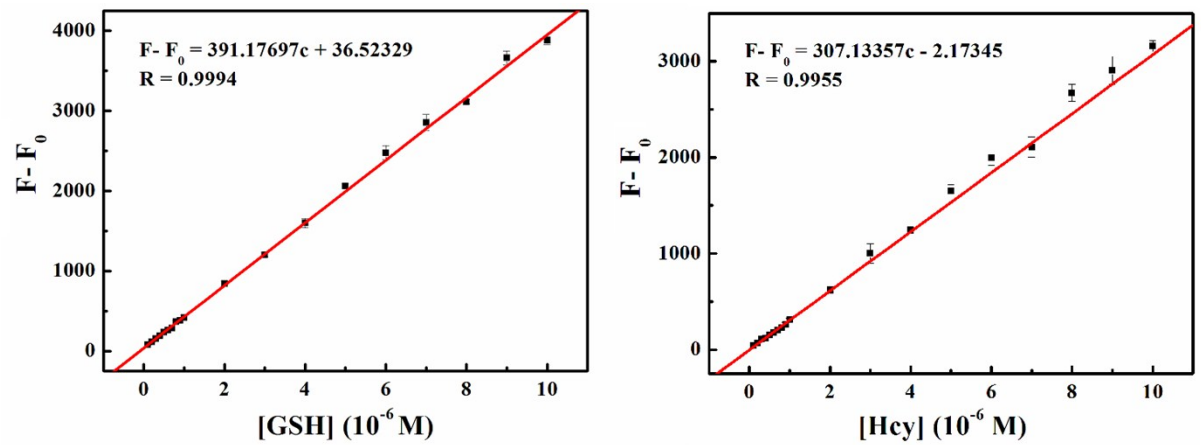

Figure S3: The linearity of the relative fluorescence intensity versus GSH and Hcy concentration.

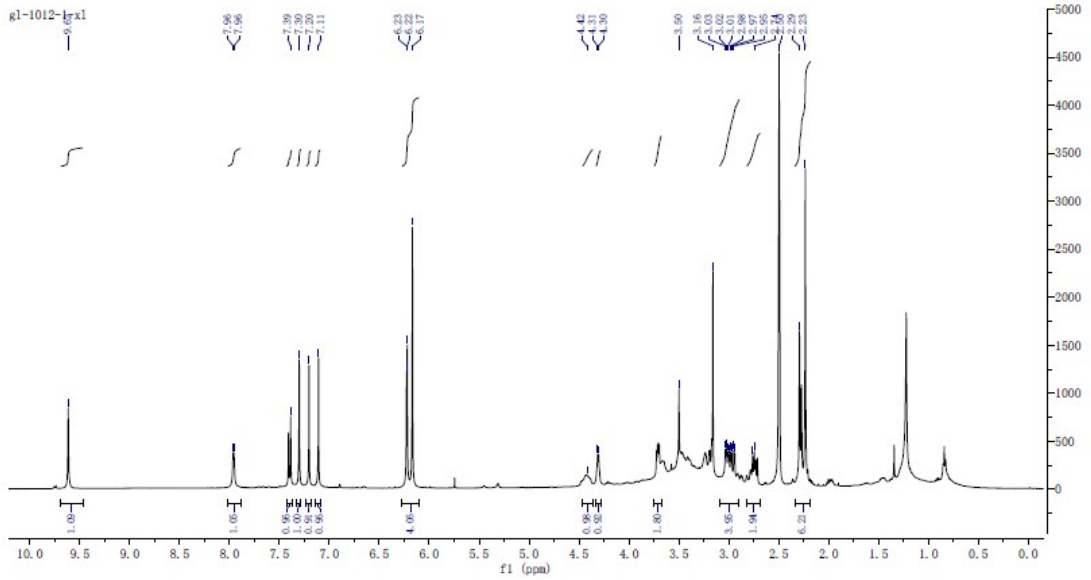

Figure S4: ^{1}H NMR spectra of the probe 1-Cys adduct
^{1}H NMR (DMSO-d_6, 500 MHz, ppm) δ 9.62 (s, 1H), 7.96 (s, 1H), 7.39 (s, 1H), 7.30 (s, 1H), 7.20 (s, 1H), 7.11 (s, 1H), 6.20 (m, 4H), 4.42 (m, 1H), 4.31 (s, 1H), 3.72-3.65 (m, 2H), 3.03-2.95 (m, 4H), 2.74 (m, 2H), 2.26 (m, 6H).

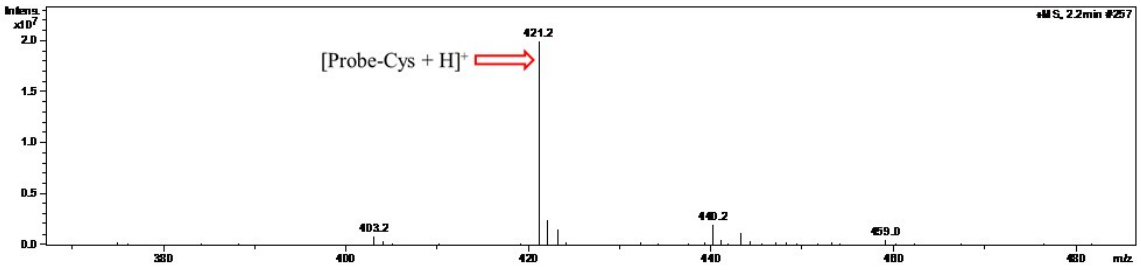

Figure S5: MS spectra of the probe 1-Cys adduct.
MS m/z cacld. for $C_{18}H_{16}N_2O_8S$ $[M+H]^+$: 421.1, found: 421.2.