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Supporting Information for

Novel fluorescent probe with dual-site for monitoring Cys and sulfite in living cells

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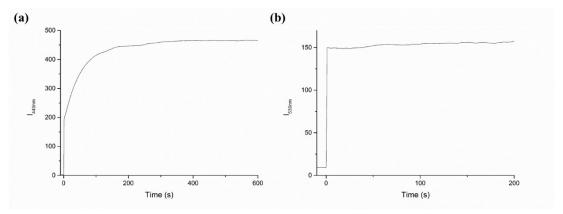


Figure S1. Reaction time profile of probe **LC-1** (20 μ M) in the presence of (a) Cys (400 μ M) or (b) SO₃²⁻ (400 μ M) in aqueous solution (pH 7.4, 20 mM PBS buffer solution containing 50% DMSO).

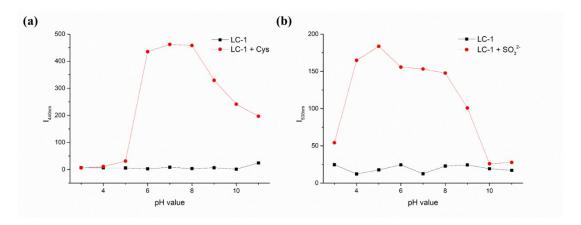


Figure S2. pH effect in fluorescence response of LC-1 to Cys and SO₃²⁻.

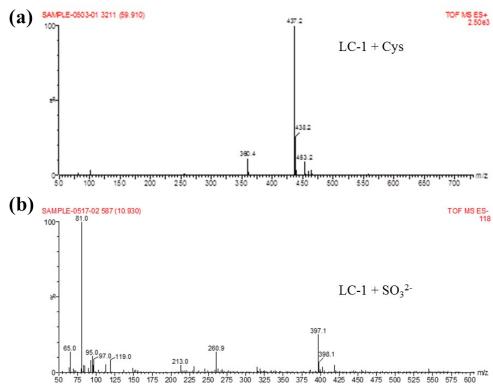


Figure S3. MS spectra of Cys-LC-1 system (a) and SO₃²-LC-1 system (b)

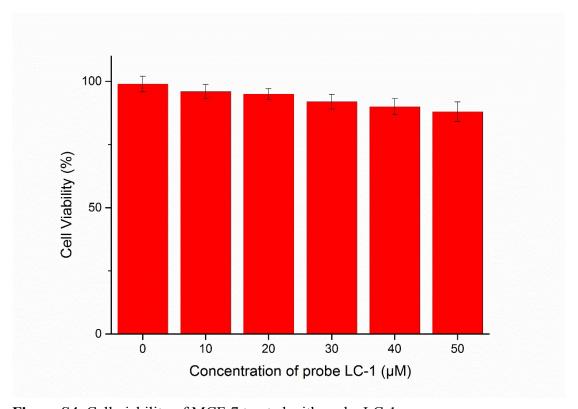


Figure S4. Cell viability of MCF-7 treated with probe LC-1.

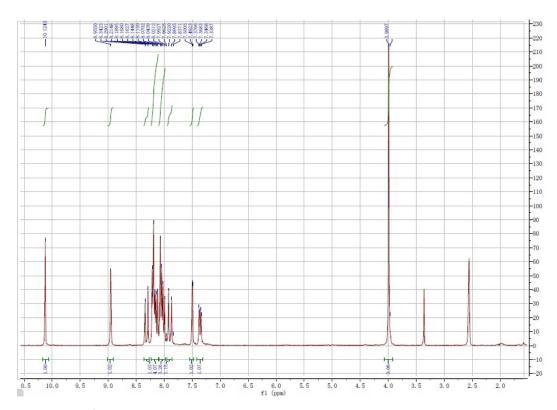


Figure S5. ¹H NMR spectrum of probe LC-1.

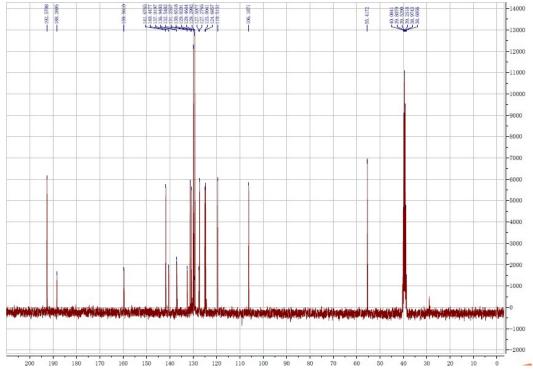


Figure S6. ¹³C NMR spectrum of probe LC-1.

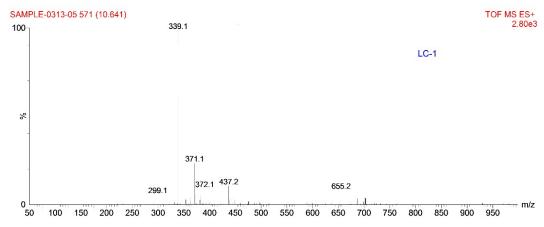


Figure S7. MS spectrum of probe LC-1