

A High-Sensitive Ratiometric Fluorescent Probe for Imaging Endogenous Hydrogen Sulfide in Cells

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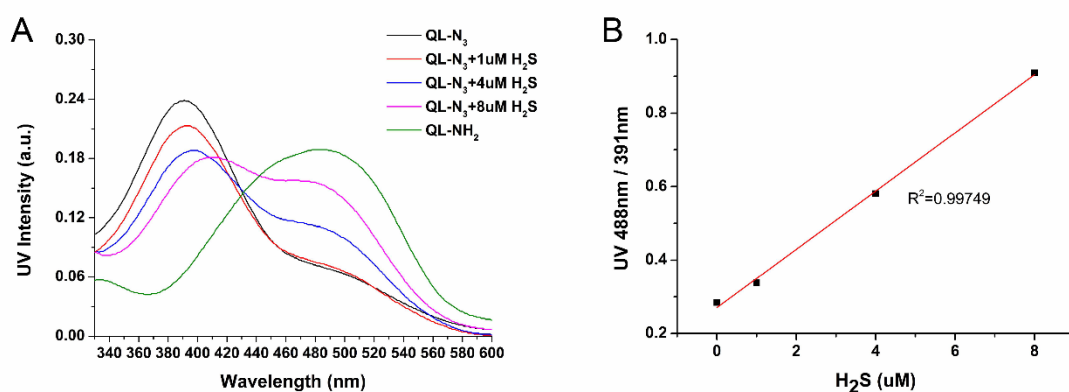


Fig .S1 (A) UV absorption spectra of QL-NH₂ (10 μM), QL-N₃ (10 μM) reacting with hydrogen sulfide (0 μM, 1 μM, 4 μM, 8 μM). (B) The relationship between I_{605 nm} / I_{525 nm} and the concentration of H₂S.

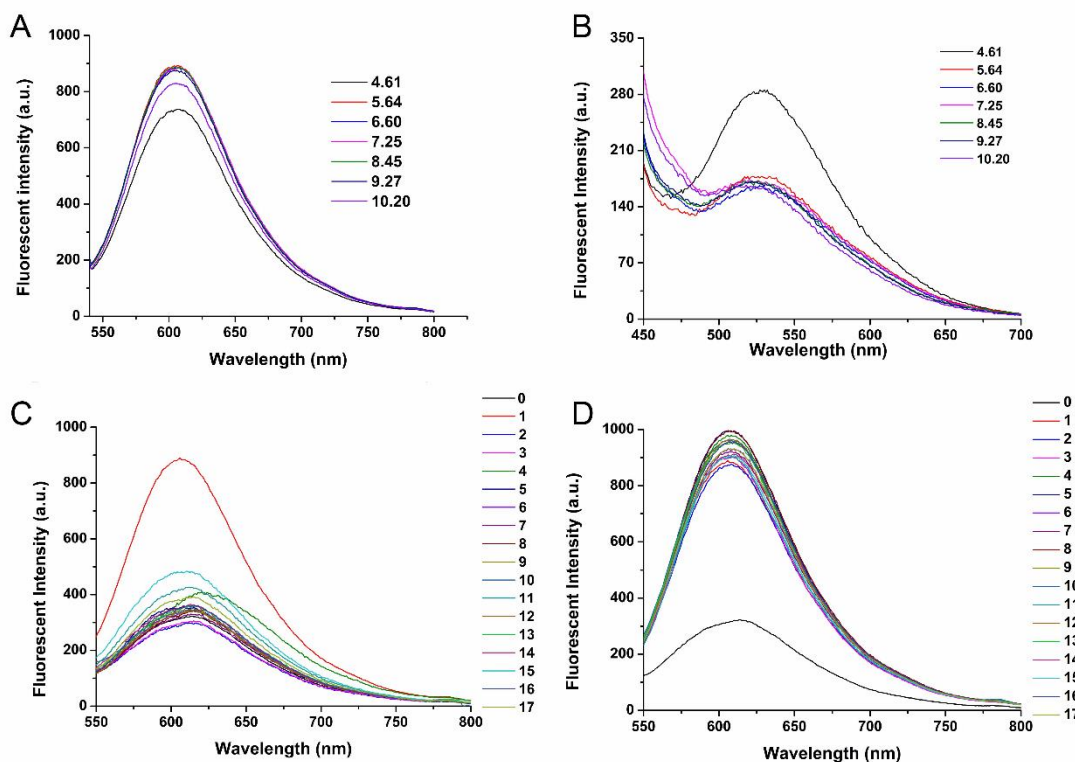


Fig .S2 (A) After excitation at 385 nm, the pH stability of fluorescence emission intensity of QL-N₃ (10 μM) and hydrogen sulfide (10 μM) at 525 nm. (B) After excitation at 385 nm, the pH stability of fluorescence emission intensity of free QL-N₃ (10 μM) at 525 nm. (C) Fluorescence emission spectrum of QL-N₃ selective test for potential interference factors (Ex: 521 nm). (D) Fluorescence emission spectrum of interference test of QL-N₃ and hydrogen sulfide on potential interference factors (Ex: 385 nm).

