

A New 'Turn-on' and reversible fluorescent sensor for Al³⁺ detection and live cell imaging

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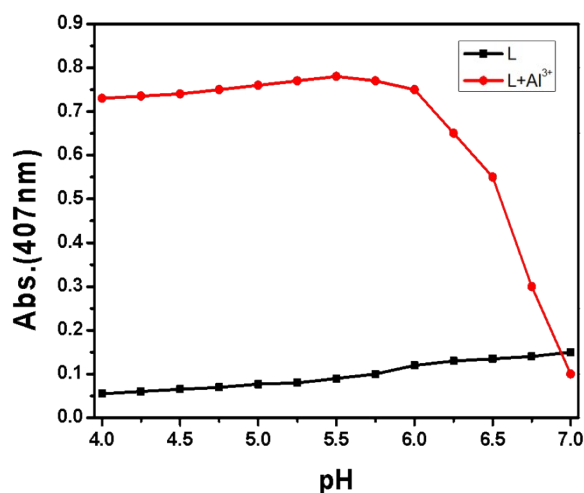


Fig.S1. Effect of pH on the absorbance of L (20 μ M) and L-Al³⁺ complex at 407 nm in MeOH/water (v/v, 1:1).

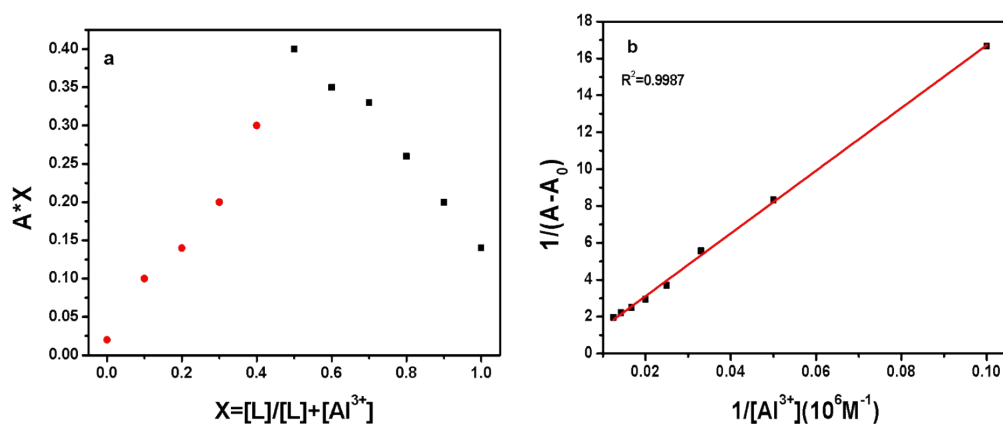


Fig.S2. (a) Job's plot for L and Al³⁺ complexation in MeOH/water(v/v, 1:1, pH 6.0). The total concentration of L and Al³⁺ is 100 μ M. (b) Benesi-Hildebrand plot from absorption titration data of L with Al³⁺. A: absorbance at 407 nm.

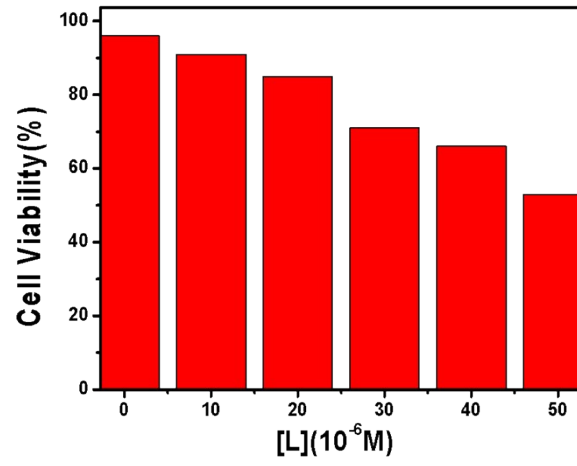


Fig.S3. Cytotoxicity profile (% cell viability) estimated by the MTT assay after 24 h incubation at 37 °C