A New ‘Turn-on’ and reversible fluorescent sensor for Al$^{3+}$ detection

and live cell imaging

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**Fig.S1.** Effect of pH on the absorbance of L (20 μM) and L–Al$^{3+}$ complex at 407 nm in MeOH/water (v/v, 1:1).

**Fig.S2.** (a) Job’s plot for L and Al$^{3+}$ complexation in MeOH/water (v/v, 1:1, pH 6.0). The total concentration of L and Al$^{3+}$ is 100 μM. (b) Benesi–Hildebrand plot from absorption titration data of L with Al$^{3+}$. A: absorbance at 407 nm.
Fig. S3. Cytotoxicity profile (% cell viability) estimated by the MTT assay after 24 h incubation at 37 °C