

Cobalt(II)-curcumin cysteine conjugate as c-MYC promoter G-quadruplex selective switch-on fluorescence probe

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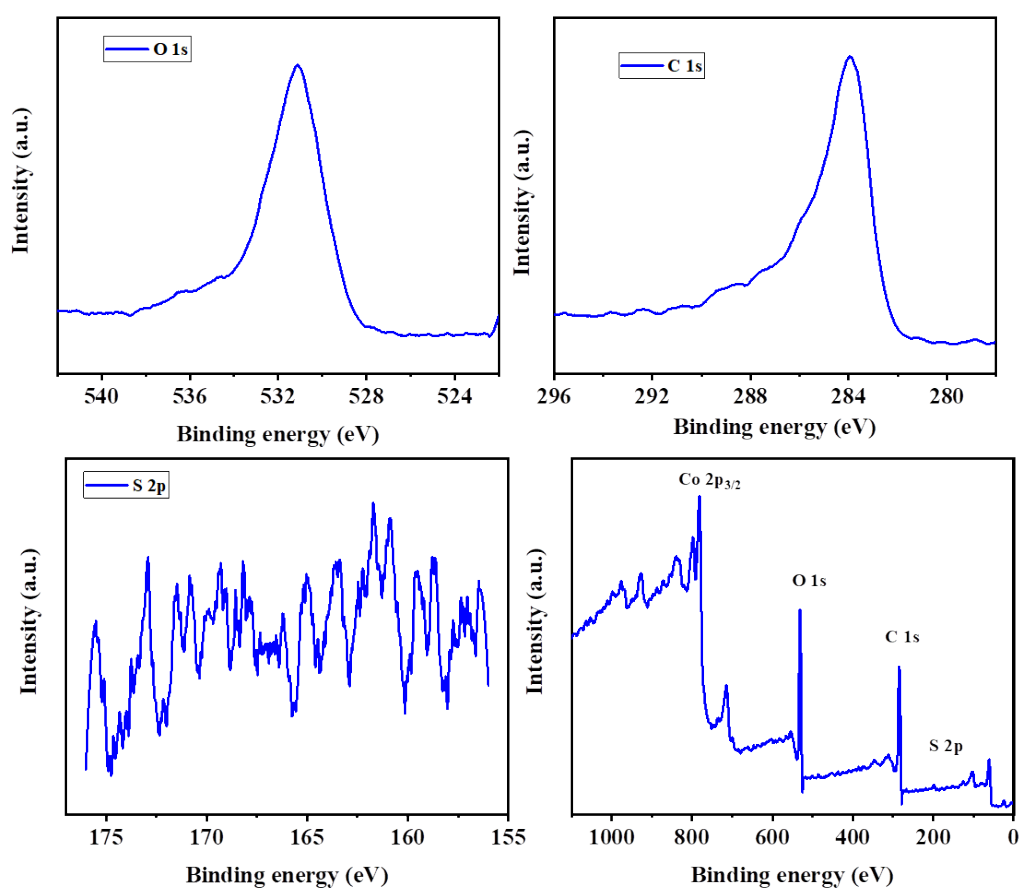


Fig.S1. XPS analysis of CO-CC (a) 528 – 536 eV (O1S), (b) 280 – 292 eV (C1s), (c) 155 – 170 eV (S2p), and (d) Co-CC conjugate.

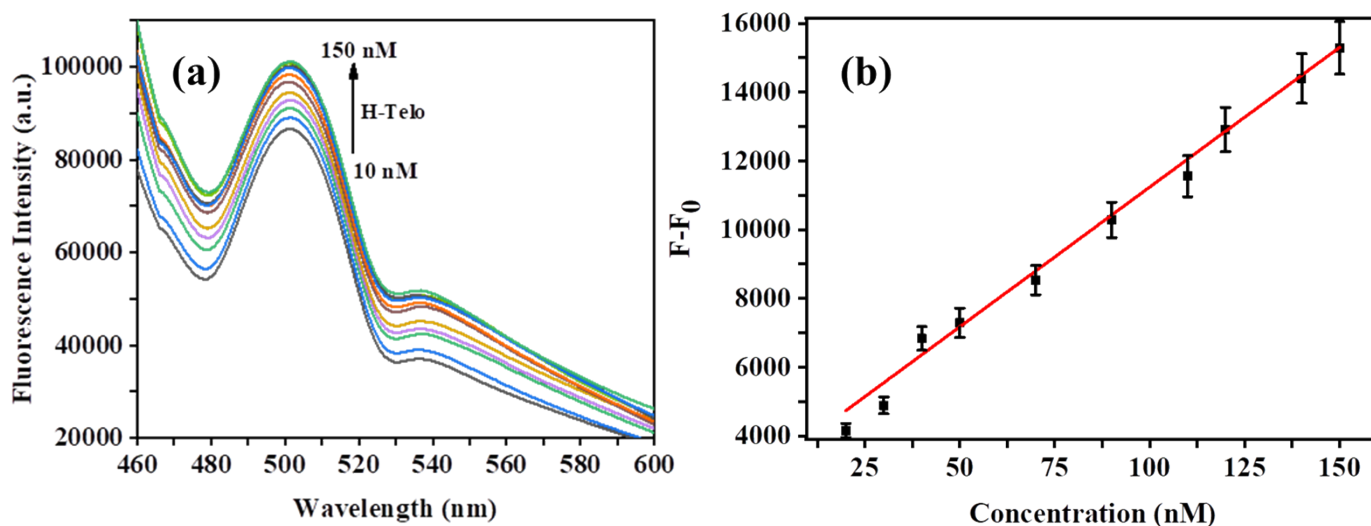


Fig.S2. (a) Fluorescence response of titration of probe Co-CC with increasing concentration of H-Telo in 10 mM Tris buffer with 100 mM KCl, pH 7.4. (b) Linear range of plot of $F-F_0$ vs H-Telo DNA concentration (20 nM- 150 nM) with error bar

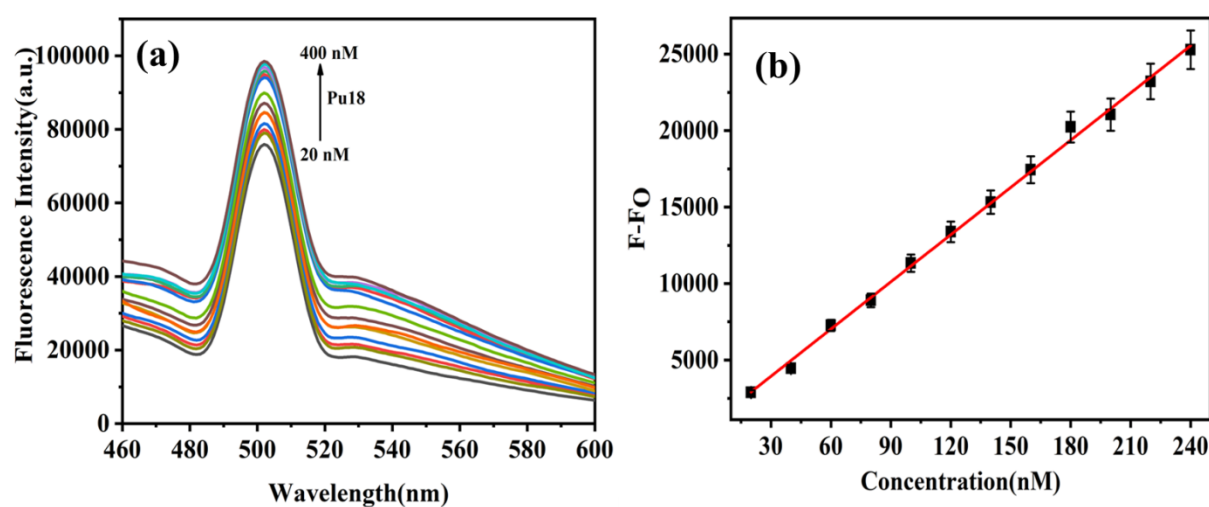


Fig.S3. (a) Fluorescence response of titration of probe Co-CC with increasing concentration of Pu18 in 10 mM Tris buffer with 100 mM KCl, pH 7.4. (b) Linear range of plot of $F-F_0$ vs Pu18 DNA concentration (20 nM- 240 nM) with error bar.

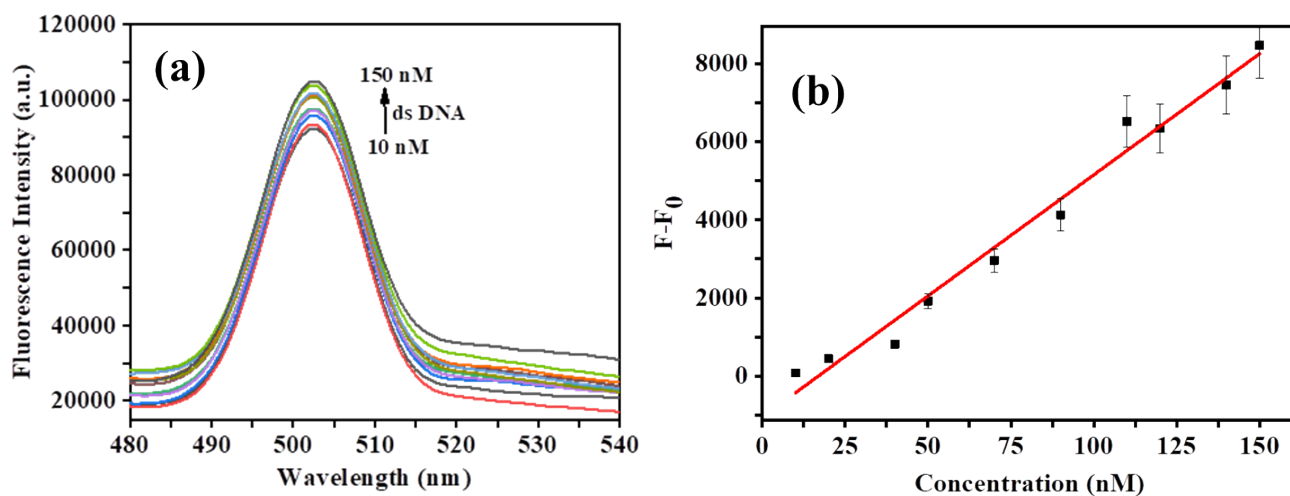


Fig.S4. (a) Fluorescence response of titration of probe Co-CC with increasing concentration of ds-DNA 10 mM phosphate buffer with 100 mM KCl, pH 7.4. (b) Linear range of plot of $F-F_0$ vs ds-DNA (20 nM- 150 nM) concentration.

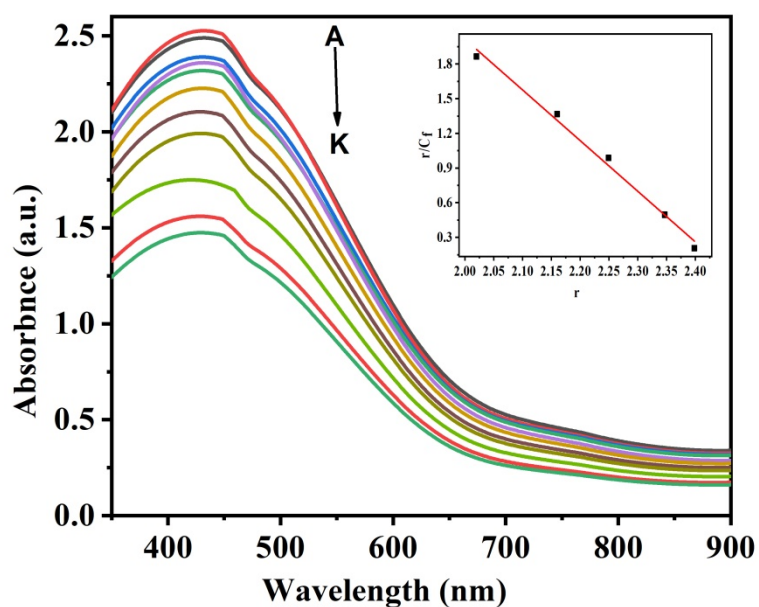


Fig S5. Absorption titration spectra of Co-CC with various concentration of ds DNA; inset scatchard plot of r/C_f vs r .