Electronic Supplementary Material (ESI) for Analyst

A sensitive LED-induced chemiluminescence platform for aptasensing of platelet-derived growth factor

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1.Reproducibility of LED-CL behaviors for FITC-aptamer

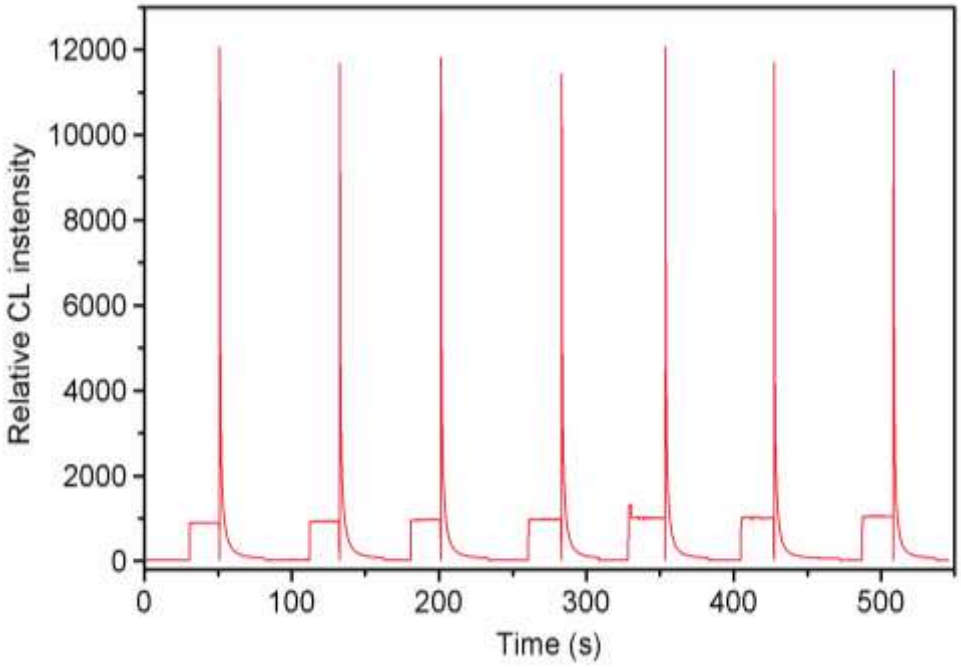

Fig.S1 Reproducibility of LED-CL behaviors for FITC-aptamer. Experimental conditions: FITC-aptamer concentration, 5 nM; LED color, green; LED irradiation time, 15s; luminol pH, 11.0; and luminol concentration, 1×10^{-4} M

2. Absorption spectrum of luminol

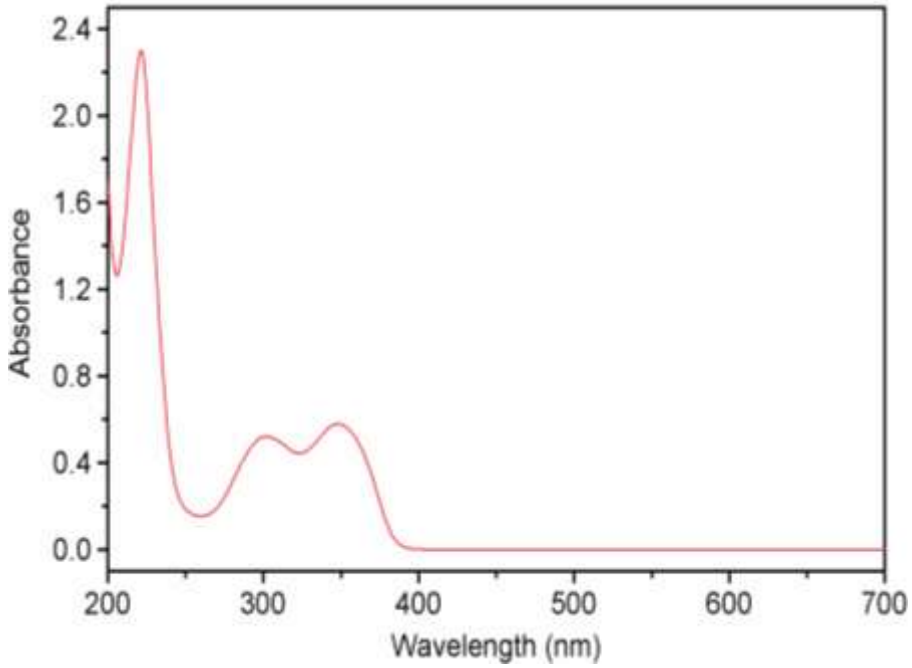

Fig.S2 The absorption spectrum of luminol

3. Absorption spectrum of FITC

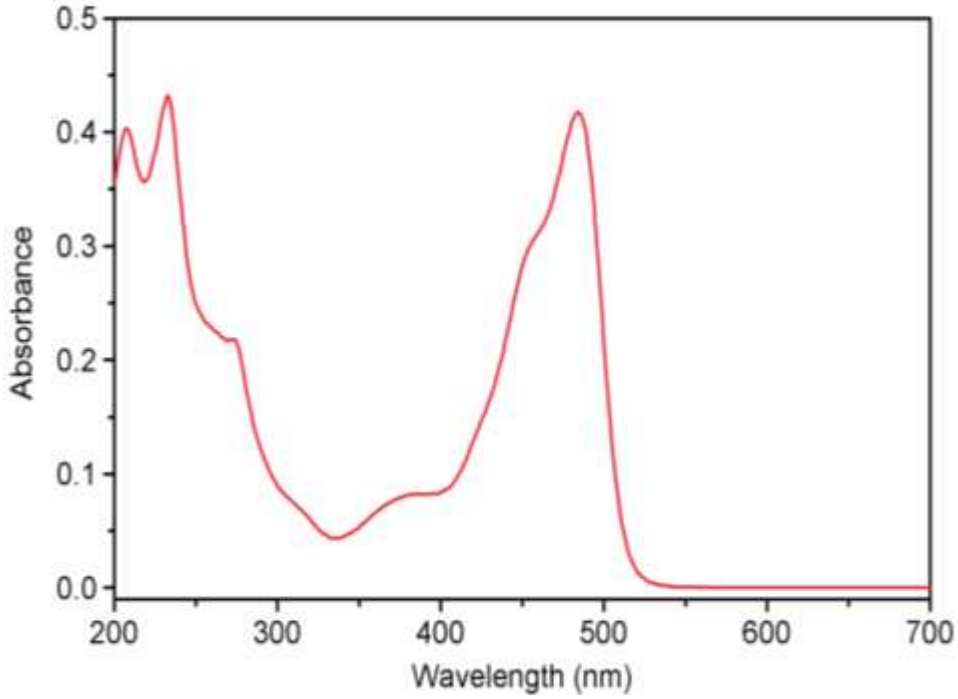

Fig.S3 The absorption spectrum of FITC

4. Effect of luminol concentration.

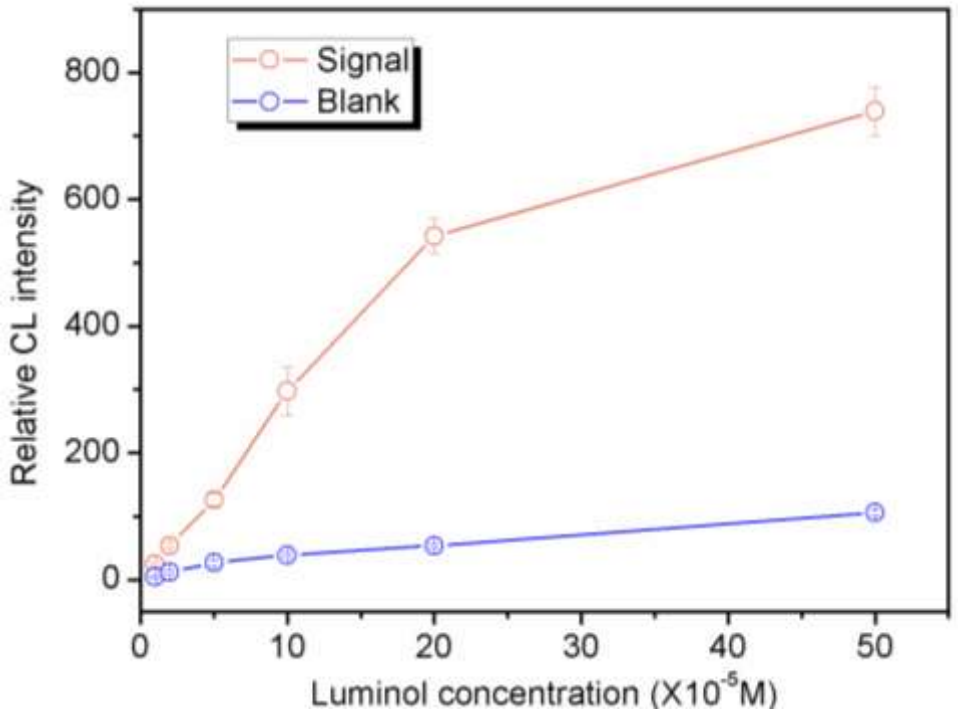

Fig.S4 Effect of luminol concentration on the LED-CL signals of FITC-aptamer and blank signals. Experimental conditions: FITC- FITC-aptamer concentration, 1 nM; LED color, green; LED irradiation time, 15s; and luminol concentration, 1×10^{-4} M