

Electronic Supplementary Information

Simple, sensitive and selective detection of dopamine using dithiobis(succinimidylpropionate)-modified gold nanoparticles as colorimetric probes

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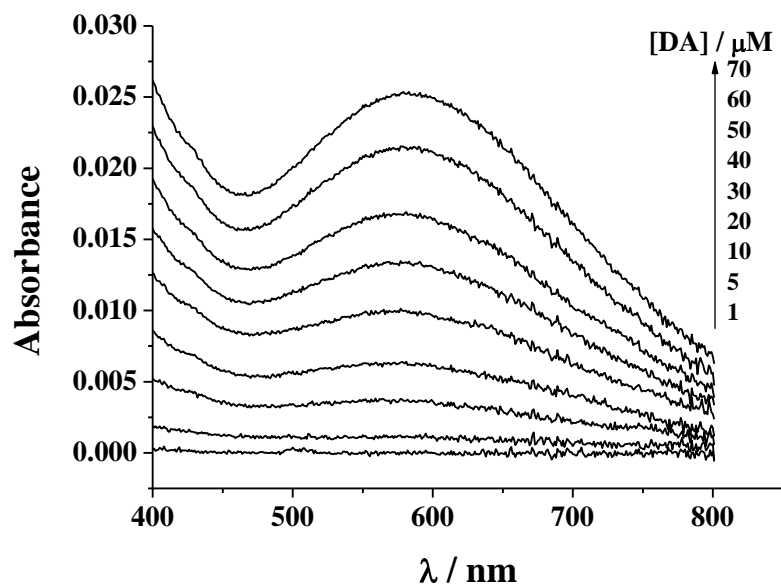


Fig. S1 UV/Vis spectra of the DA-Fe³⁺ complex. The concentration ratio of DA and Fe³⁺ kept at 1:1.

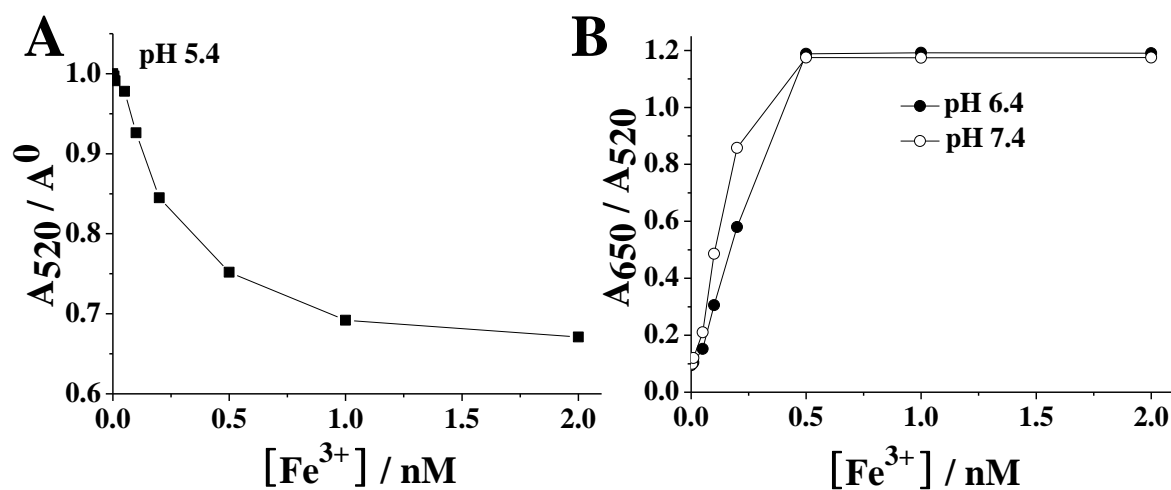


Fig. S2 Dependence of absorbance change of DA-anchored DSP-AuNPs on the Fe³⁺ concentration at different pH. The concentration of DA kept at 1 μM.

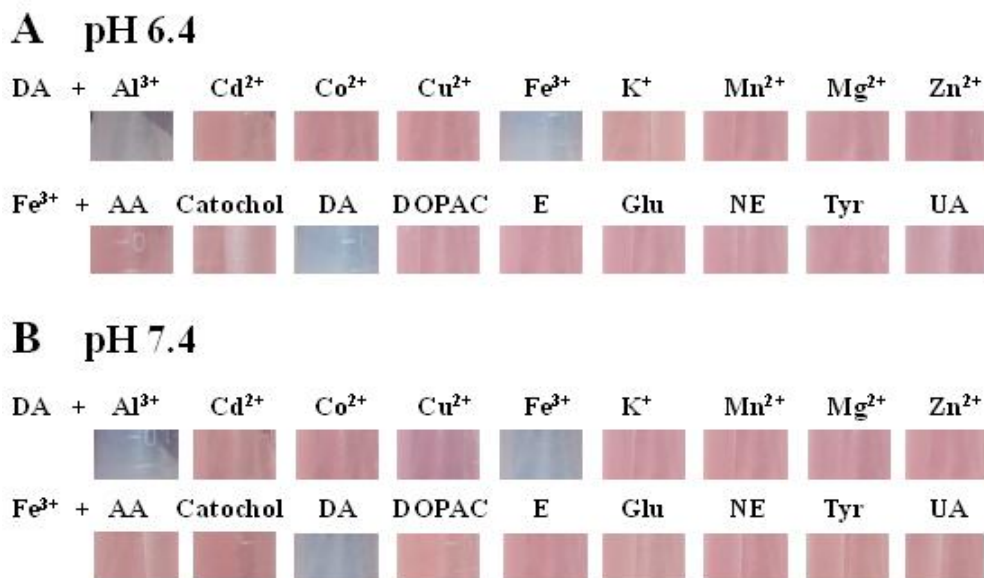


Fig. S3 Color change of DSP-AuNPs in different systems: DA + metal ions and DA/interferences + Fe³⁺.

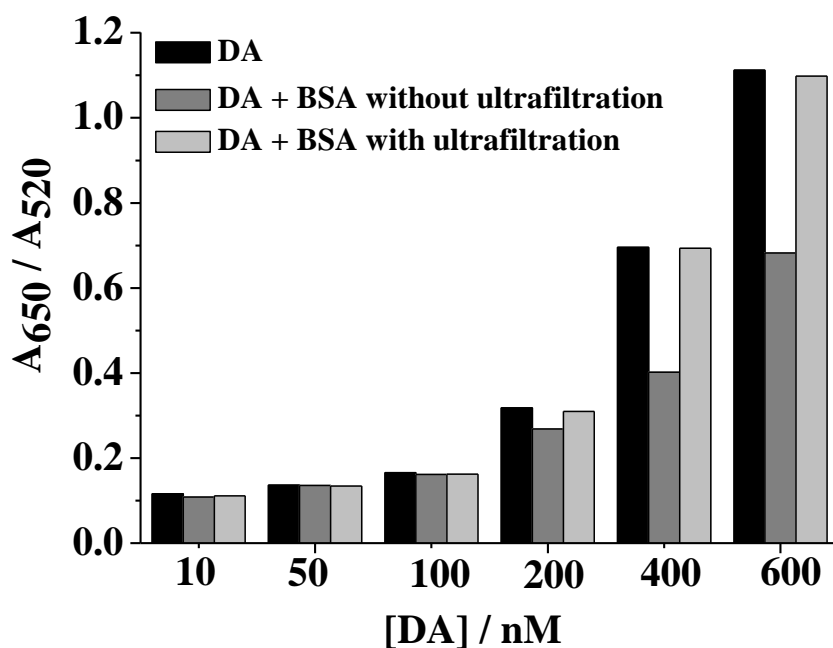


Fig. S4 Effect of BSA on the A_{650}/A_{520} ratio at different concentrations of DA. The concentration of BSA kept at 0.5 μ M.