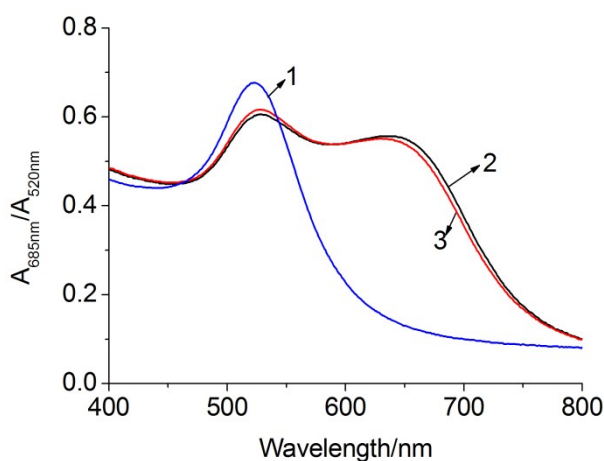


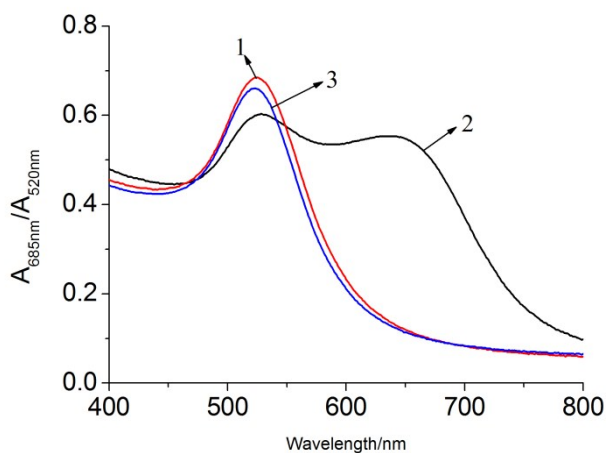
# Gold nanoparticles functionalized with 2, 6-dimercaptopurine for sensitive and selective colorimetric determination of cadmium (II) in food, biology and environment samples

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**Fig. S1** UV-Vis absorption spectra of naked AuNPs (1), DMP-AuNPs in the presence of cadmium (1.5  $\mu$ M) (2) and DMP-AuNPs in the presence of cadmium (1.5  $\mu$ M) through centrifugation (3)



**Fig. S2** Absorption spectra of DMP-AuNPs (1), DMP-AuNPs + Cd<sup>2+</sup> (1.5 $\mu$ M) (2) and DMP-AuNPs + Cd<sup>2+</sup> (1.5 $\mu$ M) (3) in the presence of the chelating agent EDTA.