Supporting Information

Boronate affinity-based ratiometric fluorescent quantum dot sensors for the rapid detection of streptomycin from food

Yanli Fan[1], Hengxi Liu[2], Wanying Geng[3] , Shiping Cang[3], Daojin Li[3,*]

[1] School of Food and Drug, Luoyang Normal University, Luoyang 471934, PR China

[2] College of Physics and Electronic Information, Luoyang Normal University, Luoyang 471934, PR China.

[3] College of Chemistry and Chemical Engineering, and Henan Key Laboratory of Fuction-Oriented Porous Materials, Luoyang Normal University, Luoyang 471934, PR China.

Supporting Figures

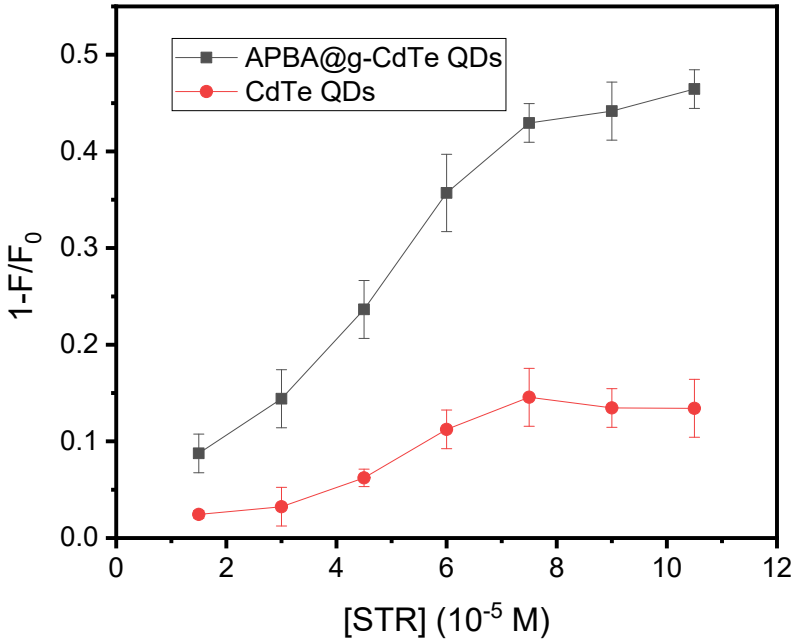

Fig. S1 Fluorescence intensity change of CdTe QDs and APBA@g-CdTe QDs with various amount of STR.

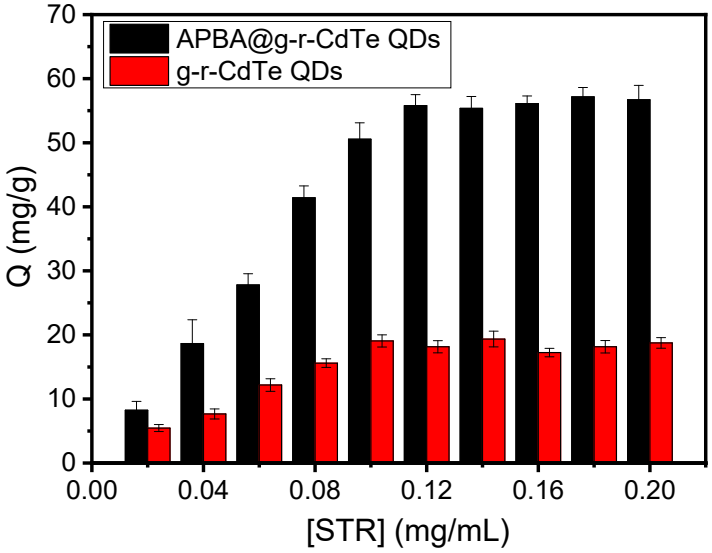

Fig. S2 Comparison of adsorption performance of APBA@g-r-CdTe QDs and g-r-CdTe QDs

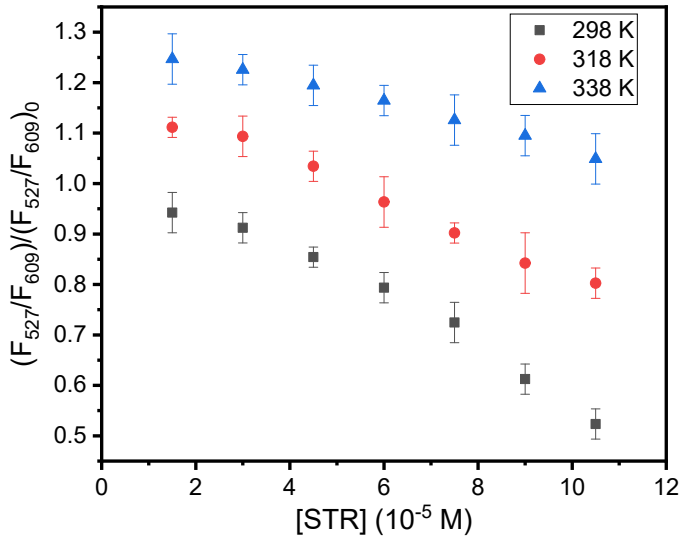

Fig. S3 The dual-emission fluorescence intensity ratio change of APBA@g-r-CdTe QDs with different concentrations of STR at different temperatures.

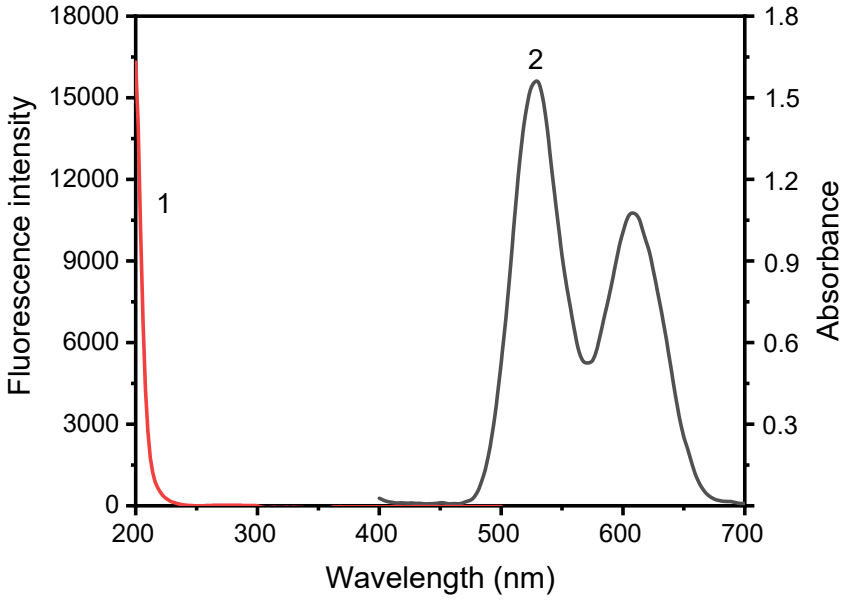

Fig. S4 The UV–Vis absorption of STR (1) and fluorescence emission of APBA@g-r-CdTe QDs (2).