Electronic Supplementary Material (ESI) for Analyst.

Supplementary Materials

Near-infrared fluorescence probe for the determination of acid phosphatase and imaging of prostate cancer cells

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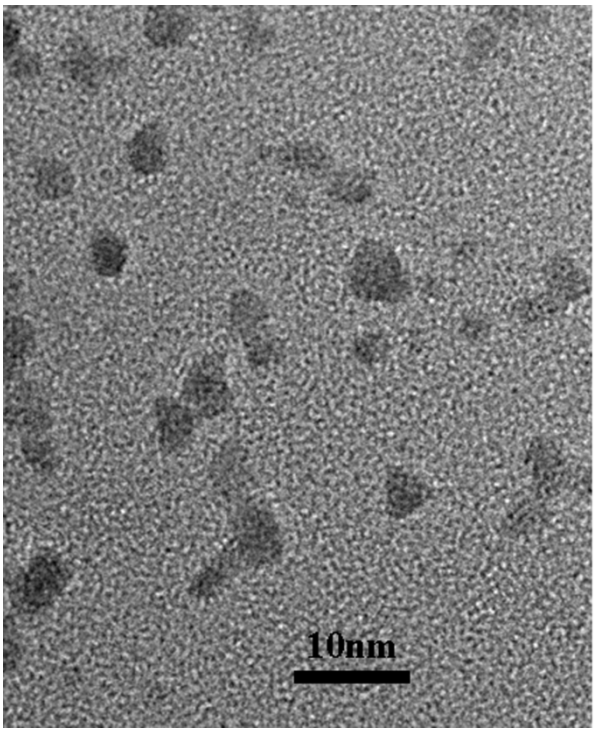

Fig. S1 The TEM image of $CuInS_2$ QDs.

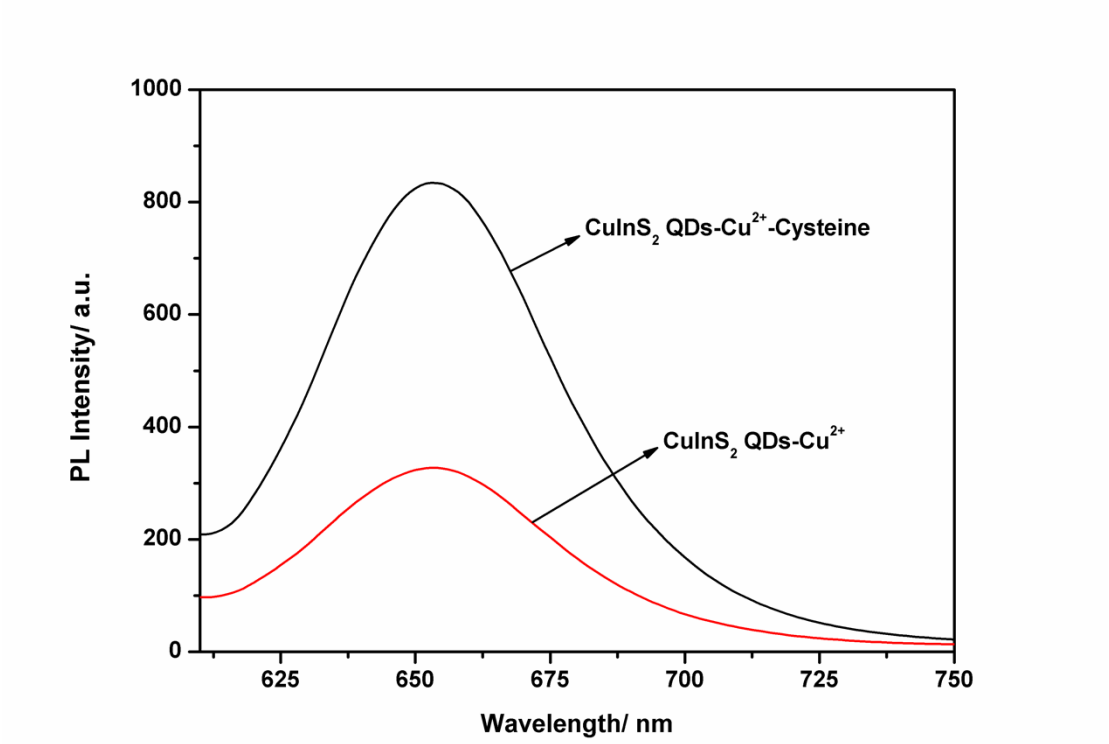

Fig. S2 The PL emission spectra of the $CuInS_2$ QDs–25 μmol/L Cu^{2+} and $CuInS_2$ QDs–25 μmol/L Cu^{2+}–40 μmol/L Cysteine. Reaction conditions: 10 mmol/L Tris–HCl buffer solution (pH 5.8) at 25℃ incubated for 2 minutes.

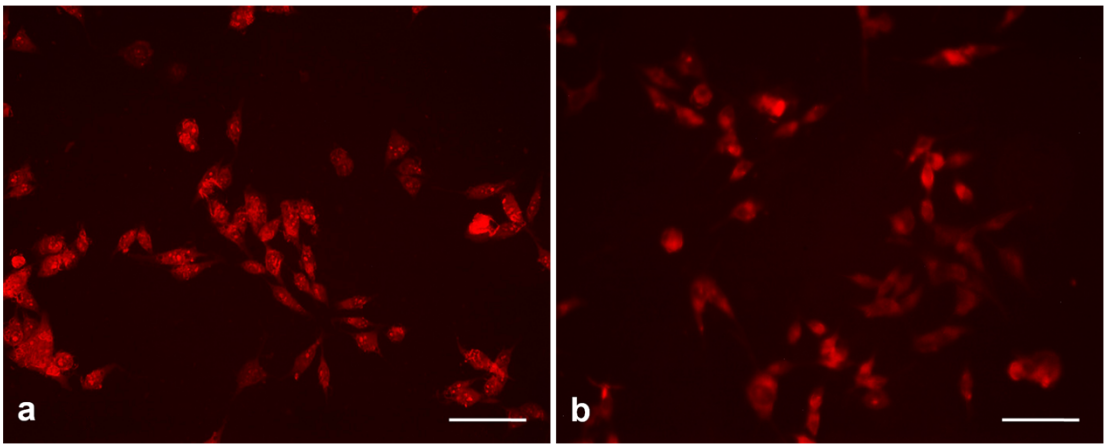

Fig. S3 Fluorescence microscopy images of HepG2 cells (a) and PC-3M cells (b) counterstained with $CuInS_2$ QDs–Cu^{2+}–ATP (2.26 nmol/L). The scale bar in the fluorescence images is 20 μm.