

## Electronic supplementary information

### Interactions between gold, thiol and As(III) for colorimetric sensing

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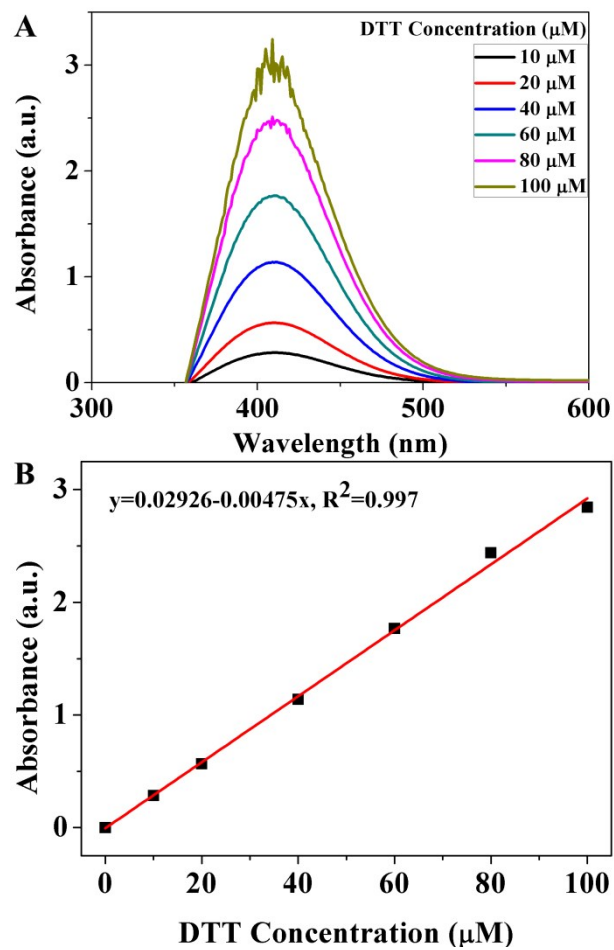
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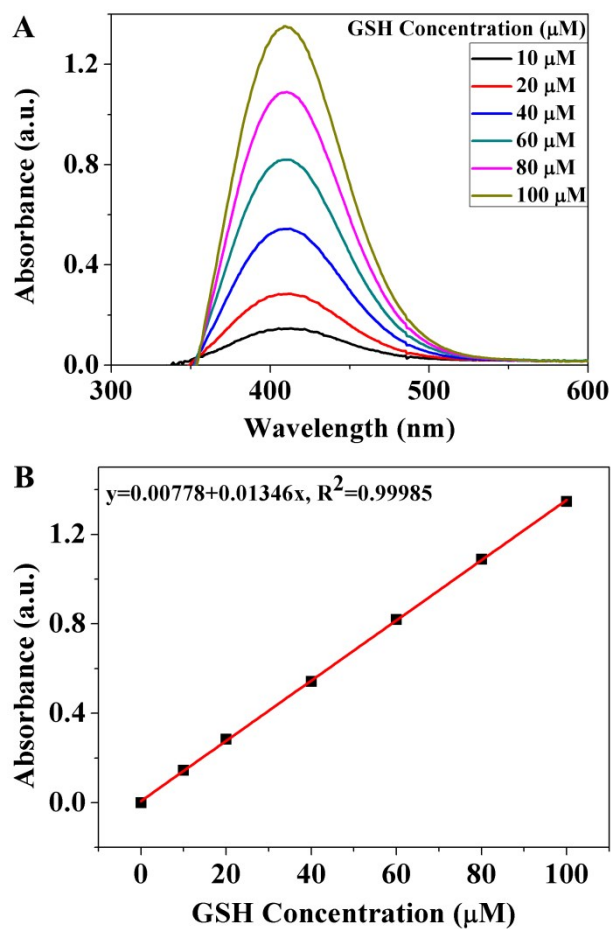
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**Figure S1.** (A) The absorbance of DTT-DTNB complex in the presence of different concentrations of DTT. (B) The plot of absorbance versus DTT concentration.



**Figure S2.** (A) The absorbance of GSH-DTNB complex in the presence of different concentrations of GSH. (B) The plot of absorbance versus GSH concentration.