

**Facile sonochemical synthesis of water-soluble gold nanodots as
fluorescence probe for superoxide radical anion detection and cell
imaging**

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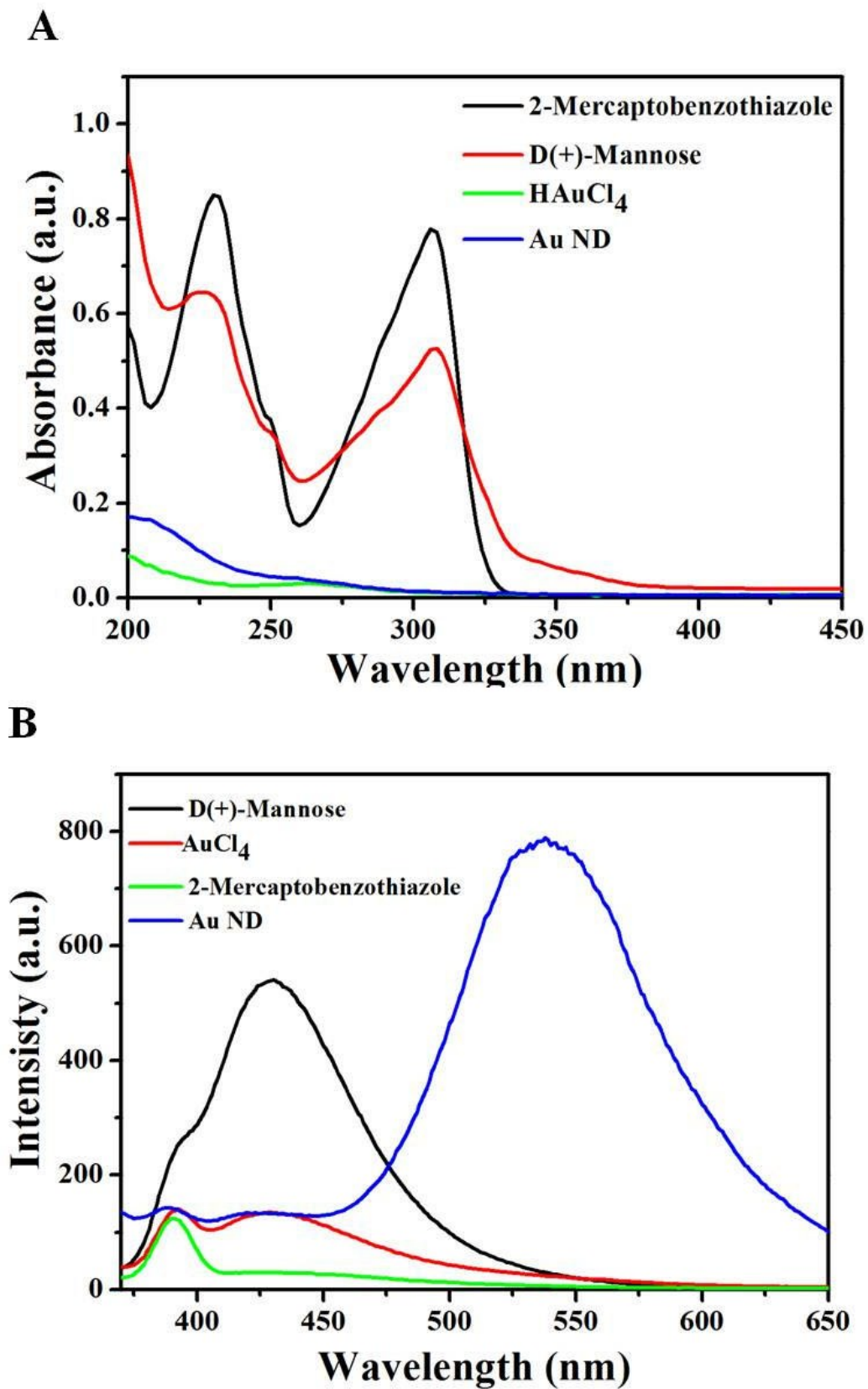


Fig. S1. The UV-vis absorption spectra (A) and fluorescence spectra (B) of HAuCl₄, 2-Mercaptobenzothiazole, D (+) -Mannose, and Au NDs.

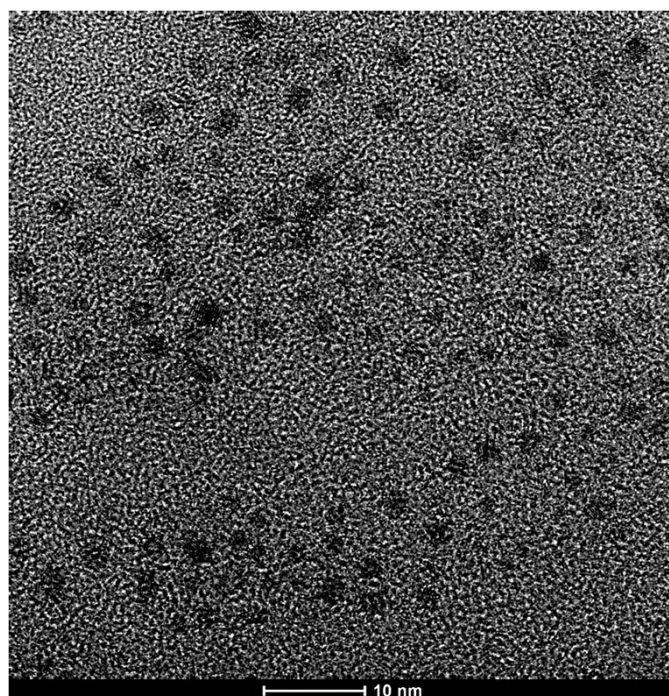


Fig. S2. The TEM image of Au NDs, scale bar: 10 nm.

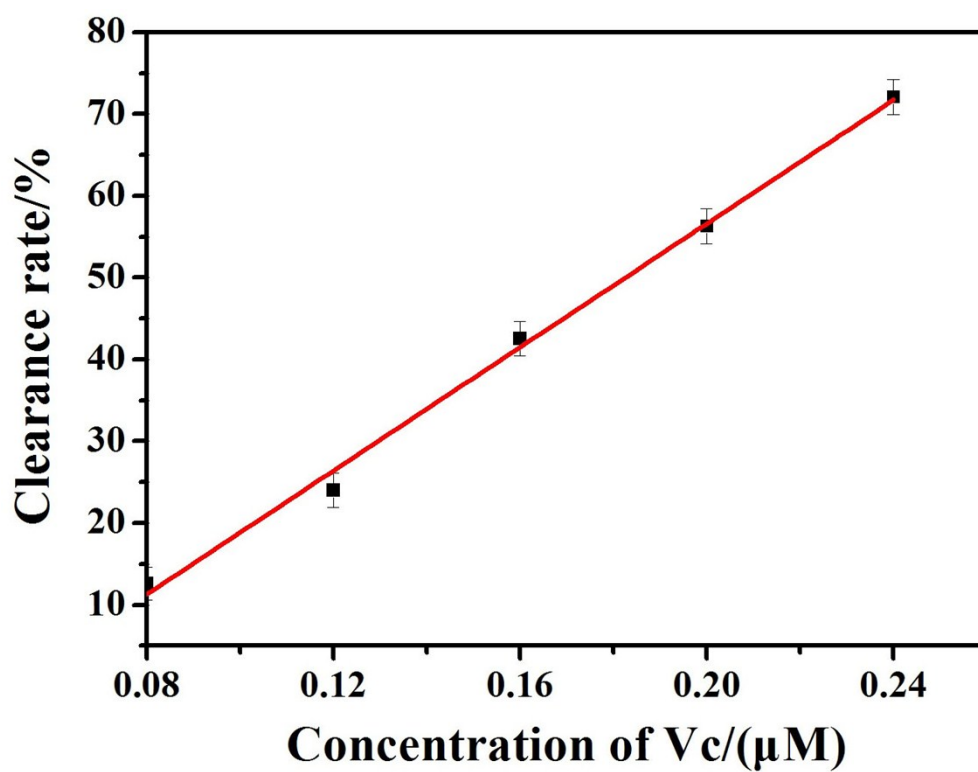


Fig. S3. The standard curve line of scavenging effect of ascorbic acid on superoxide radical anion with the concentration of ascorbic acid.