

## Supporting Information's

### **Simple, selective detection and efficient removing of the toxic lead and silver metal ions by using Acid Red 94**

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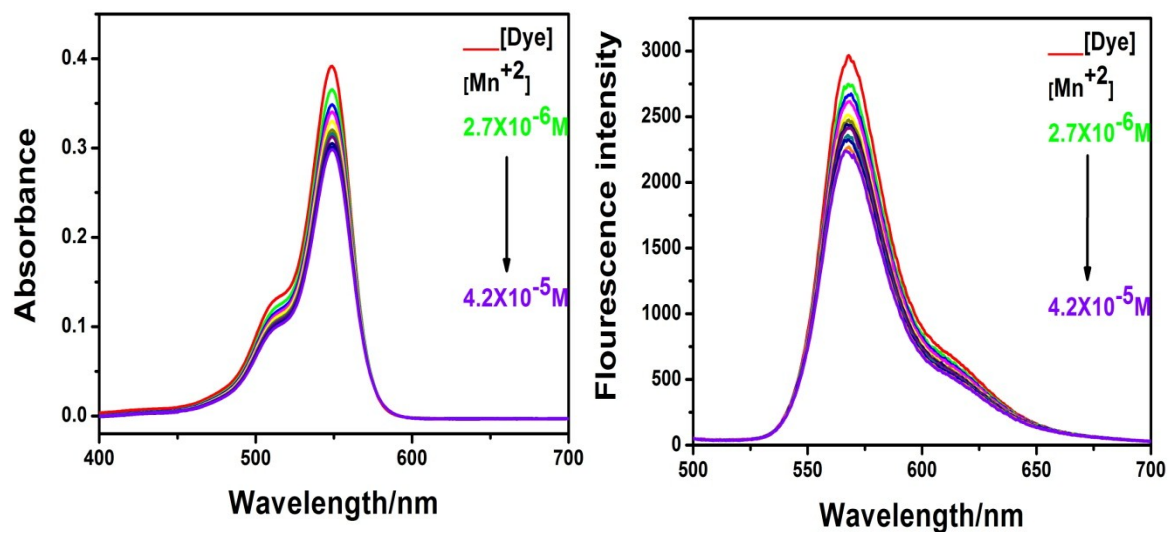


Fig. S1. Steady state absorption and fluorescence spectra of AR94 in the presence of Mn<sup>2+</sup> in water.

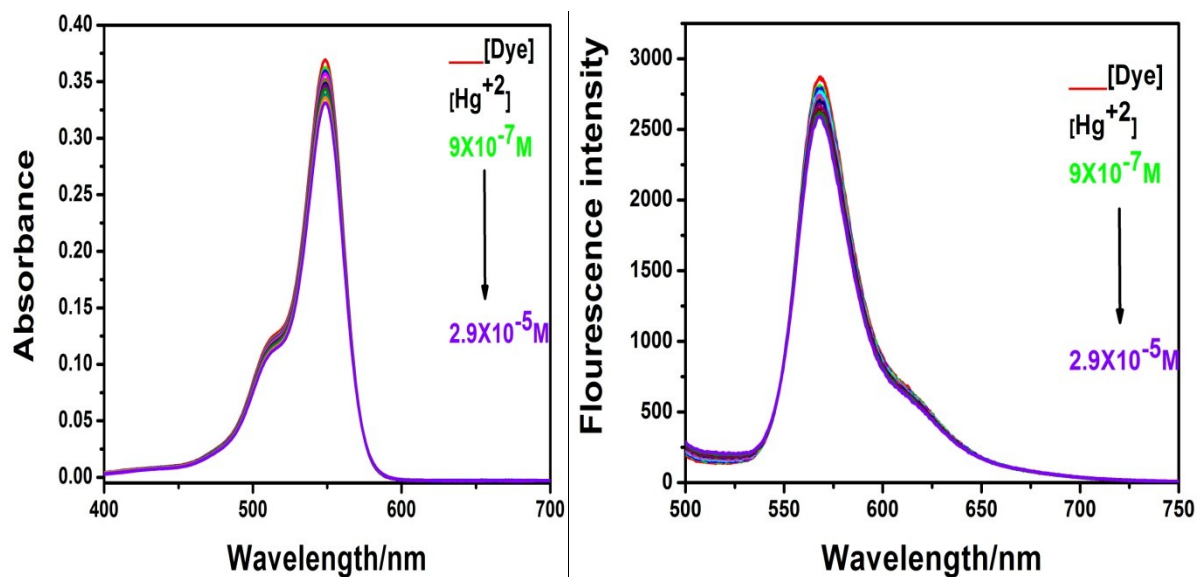


Fig. S2. Steady state absorption and fluorescence spectra of AR94 in the presence of Hg<sup>2+</sup> in water.

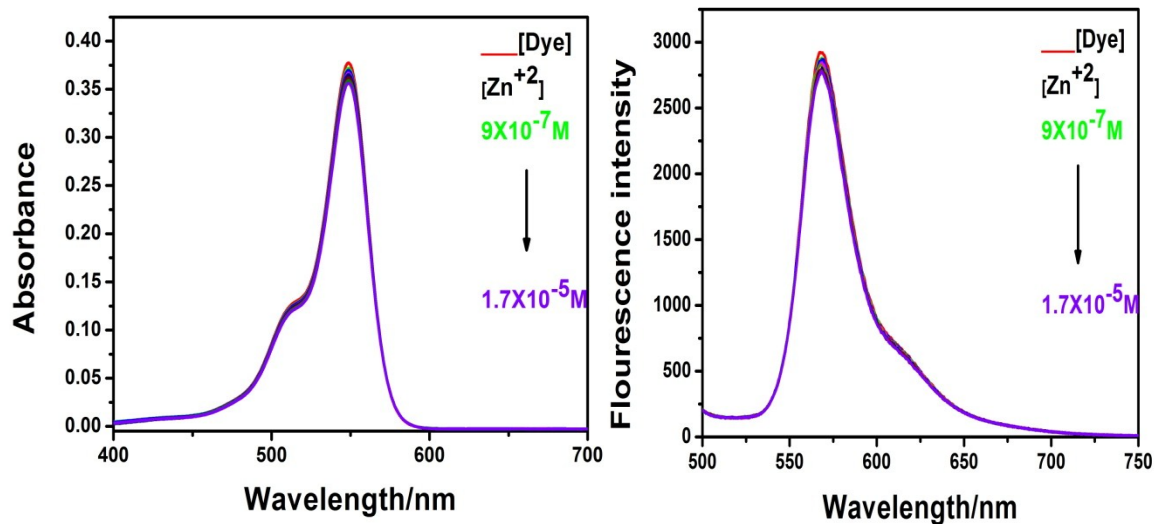


Fig. S3. Steady state absorption and fluorescence spectra of AR94 in the presence of Zn<sup>2+</sup> in water.

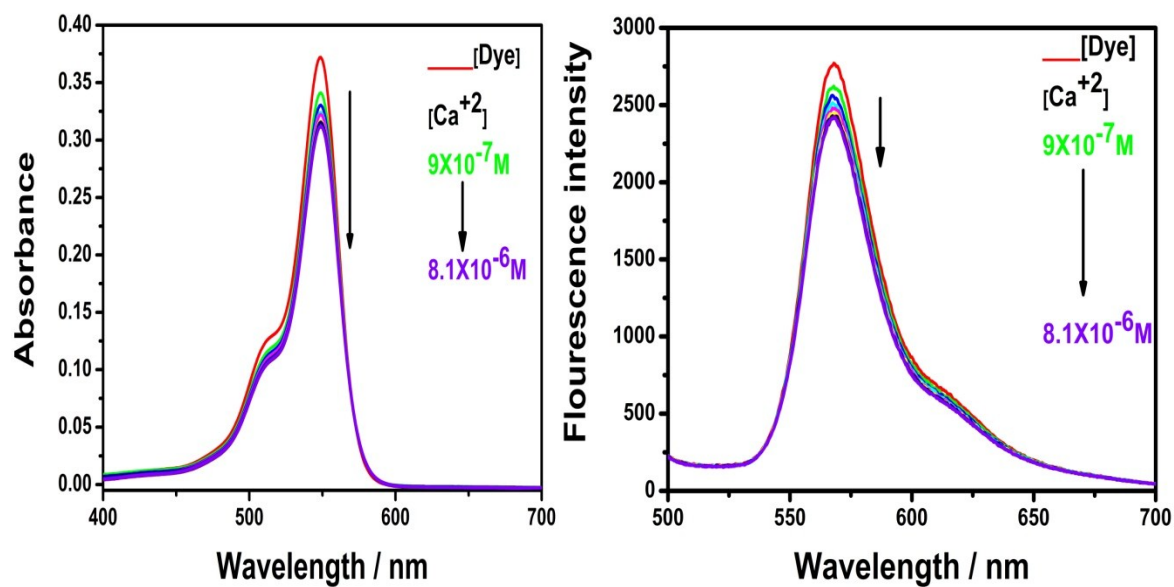


Fig. S4. Steady state absorption and fluorescence spectra of AR94 in the presence of Cd<sup>2+</sup> in water.