Supplementary materials

Light Harvesting Nanoprobe for Trace Detection of Hg^{2+} in Water

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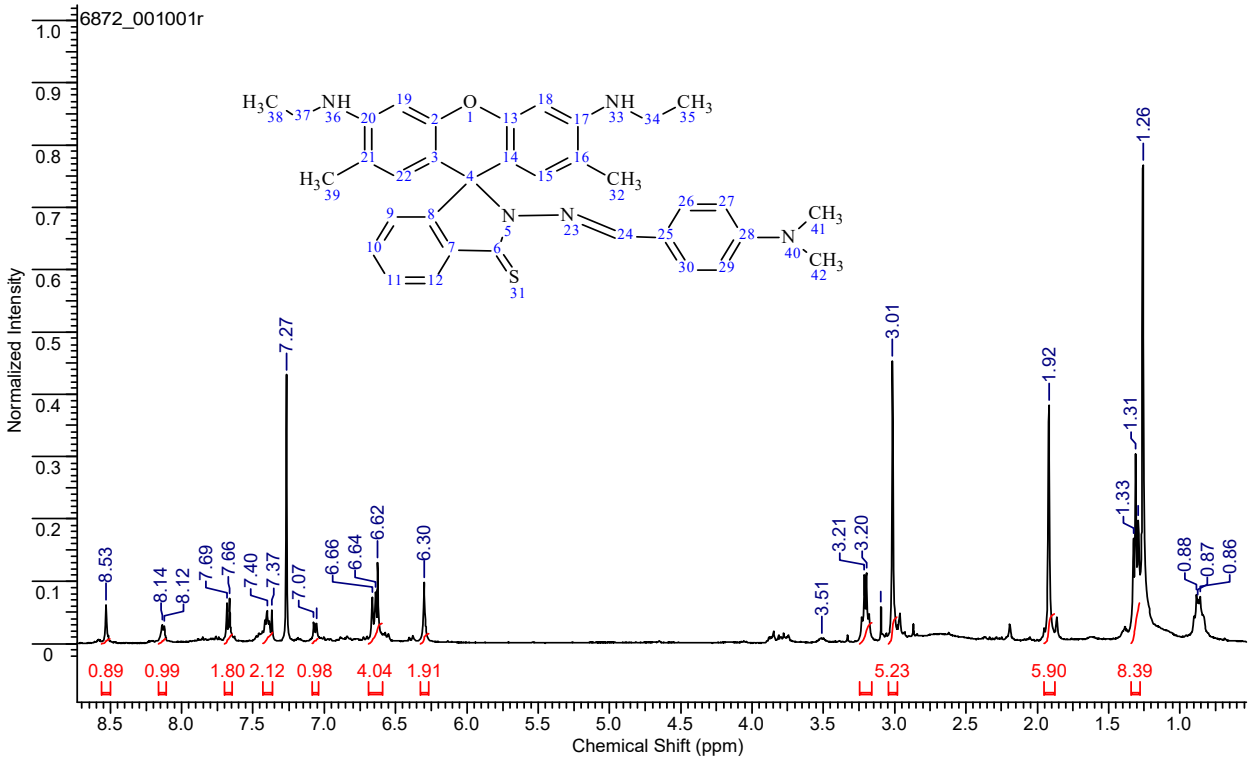

Figure S1. ^{1}H NMR spectrum of d114 recorded in $CDCl_3$.

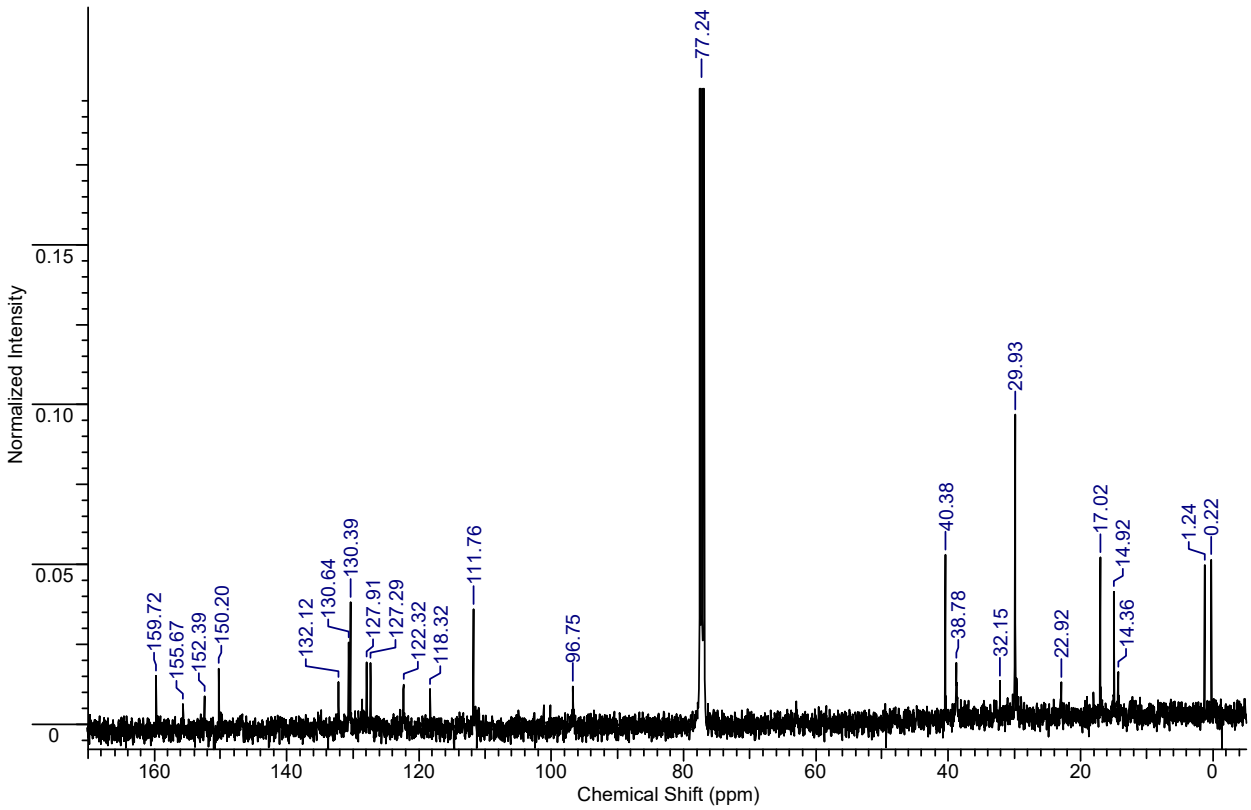

Figure S2. ^{13}C NMR spectrum of d114 recorded in $CDCl_3$.

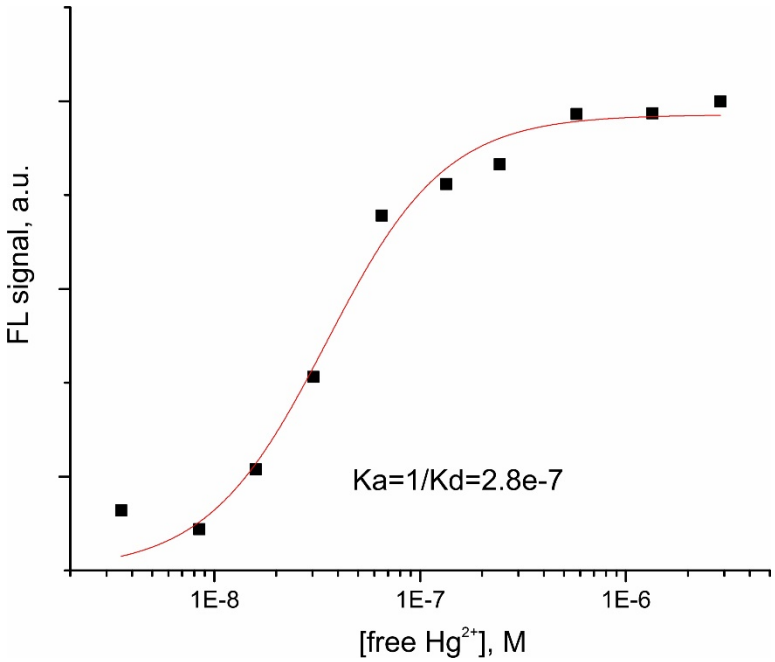

Figure S3. Fluorescence intensity of d114 solution versus free ligand concentration, [free Hg^{2+}] calculated according to the law of mass action.

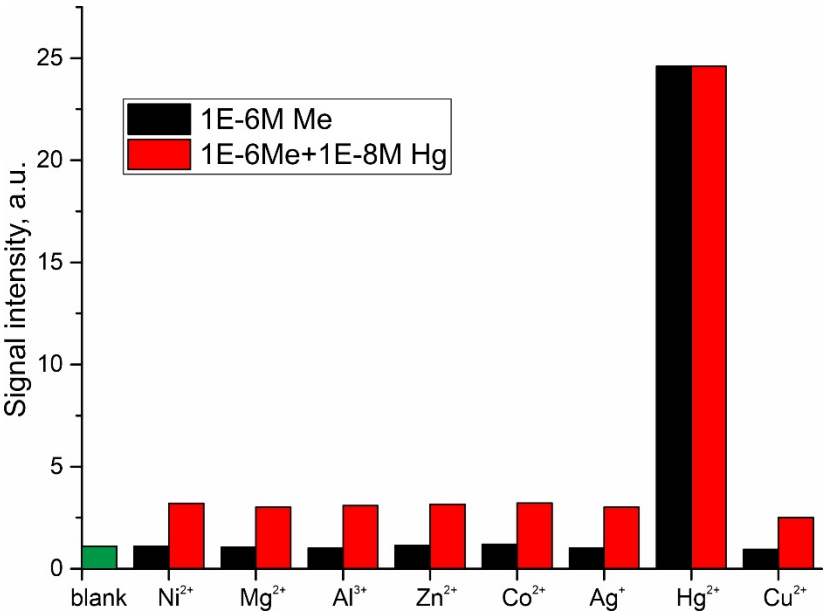

Figure S4. Influence of the interfering metal ions (10^{-6} M) on response value of **d114/C30/F12** 0.001/1/2 NPs in the presence of 10^{-8} M Hg^{2+}