

Supplementary

A Reversible Bis(salamo)-based Fluorescence Sensor for Selective Detection of Cd²⁺ in Water-containing Systems and Food Samples

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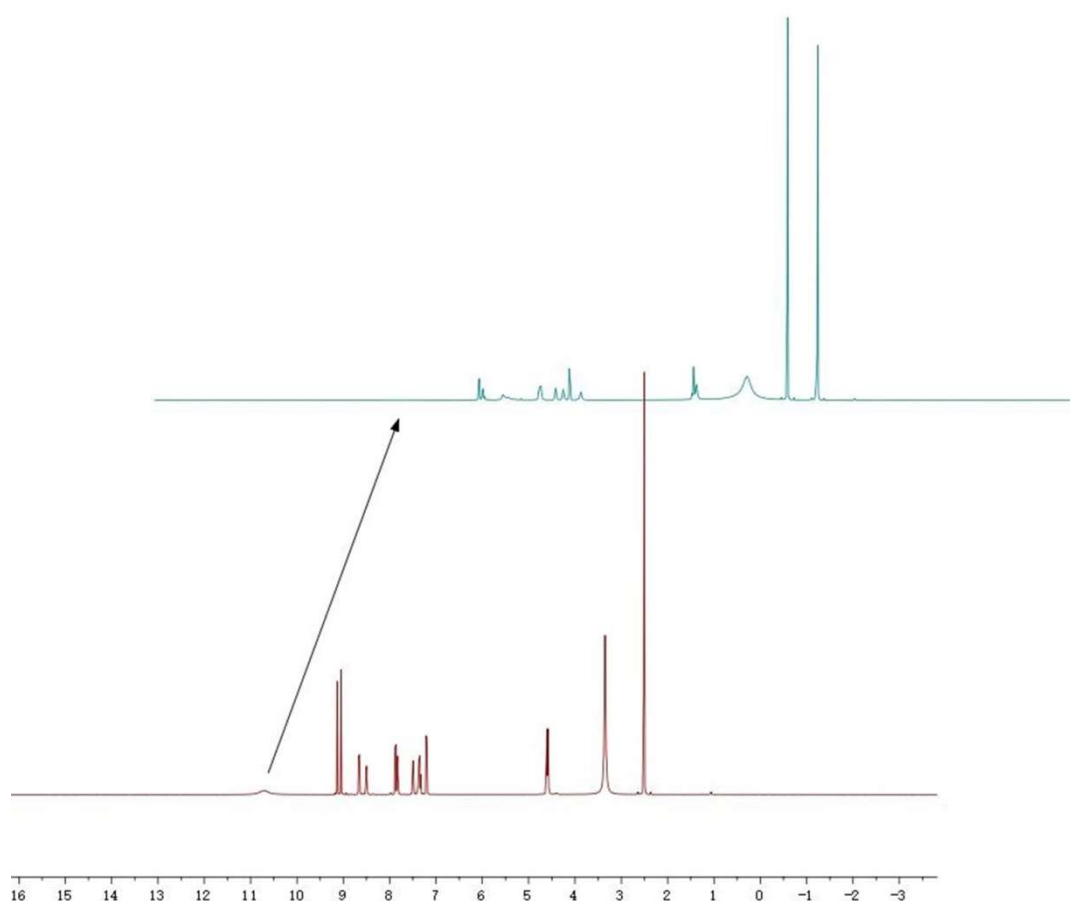


Figure S1. ¹H NMR titration in upon addition of 3.0 equiv. Cd²⁺.

H ₄ L	H ₄ L + Cu ²⁺	H ₄ L + Ba ²⁺	H ₄ L + Ca ²⁺	H ₄ L + K ⁺	H ₄ L + Cr ³⁺	H ₄ L + Mn ²⁺	H ₄ L + Sr ²⁺	H ₄ L + Co ²⁺	H ₄ L + Na ⁺	H ₄ L + Li ⁺	H ₄ L + Ni ²⁺	H ₄ L + Ag ⁺	H ₄ L + Zn ²⁺
H ₄ L + Cd ²⁺	H ₄ L + Cd ²⁺ + Cu ²⁺	H ₄ L + Cd ²⁺ + Ba ²⁺	H ₄ L + Cd ²⁺ + Ca ²⁺	H ₄ L + Cd ²⁺ + K ⁺	H ₄ L + Cd ²⁺ + Cr ³⁺	H ₄ L + Cd ²⁺ + Mn ²⁺	H ₄ L + Cd ²⁺ + Sr ²⁺	H ₄ L + Cd ²⁺ + Co ²⁺	H ₄ L + Cd ²⁺ + Na ⁺	H ₄ L + Cd ²⁺ + Li ⁺	H ₄ L + Cd ²⁺ + Ni ²⁺	H ₄ L + Cd ²⁺ + Ag ⁺	H ₄ L + Cd ²⁺ + Zn ²⁺

Figure S2. The result of colorimetric measured photographs with sensor H₄L for detecting Cd²⁺ under irradiation at 365 nm.