

Supporting Information

A two-dimensional chromogenic sensor as well as fluorescence inverter: selective detection of copper(II) in aqueous medium

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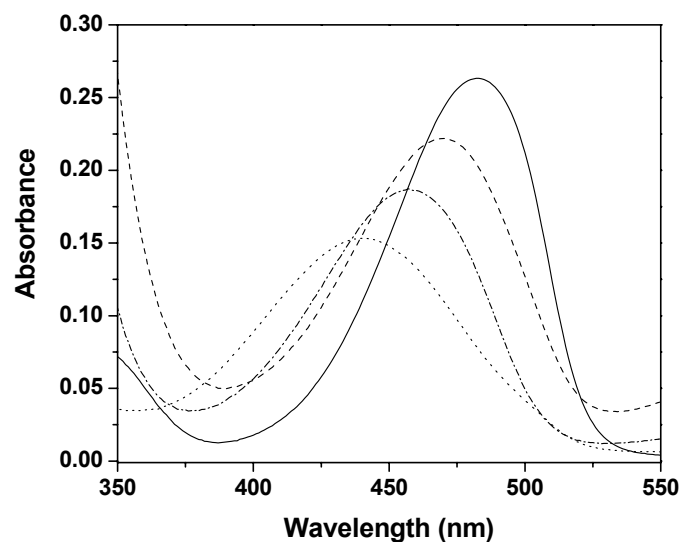


Figure S1. Absorption spectra of **1** before and after the addition of Cu²⁺ ions and reversed changes upon addition of EDTA. (—) **1** (5×10^{-6} M), (····) **1** + Cu²⁺ (2×10^{-3} M), (– · – ·) **1** + Cu²⁺ (2×10^{-3} M) + EDTA (2×10^{-3} M) and (– – –) **1** + Cu²⁺ (2×10^{-3} M) + EDTA (excess).

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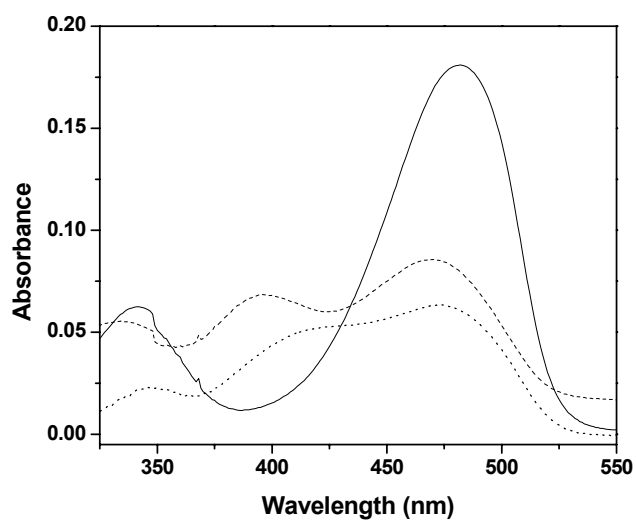


Figure S2. Absorption spectra of **1** (5×10^{-6} M) in water (pH 7.4, 10 mM HEPES) in the presence of metal cations. (—) Mg^{2+} , Ca^{2+} in excess, (····) Zn^{2+} (2×10^{-2} M) and (----) Ni^{2+} (1×10^{-2} M).