

Supplementary data for:

Highly selective turn-on fluorescent sensor for Cu(II) based on an NSe₂ chelating moiety and its application in living cell imaging

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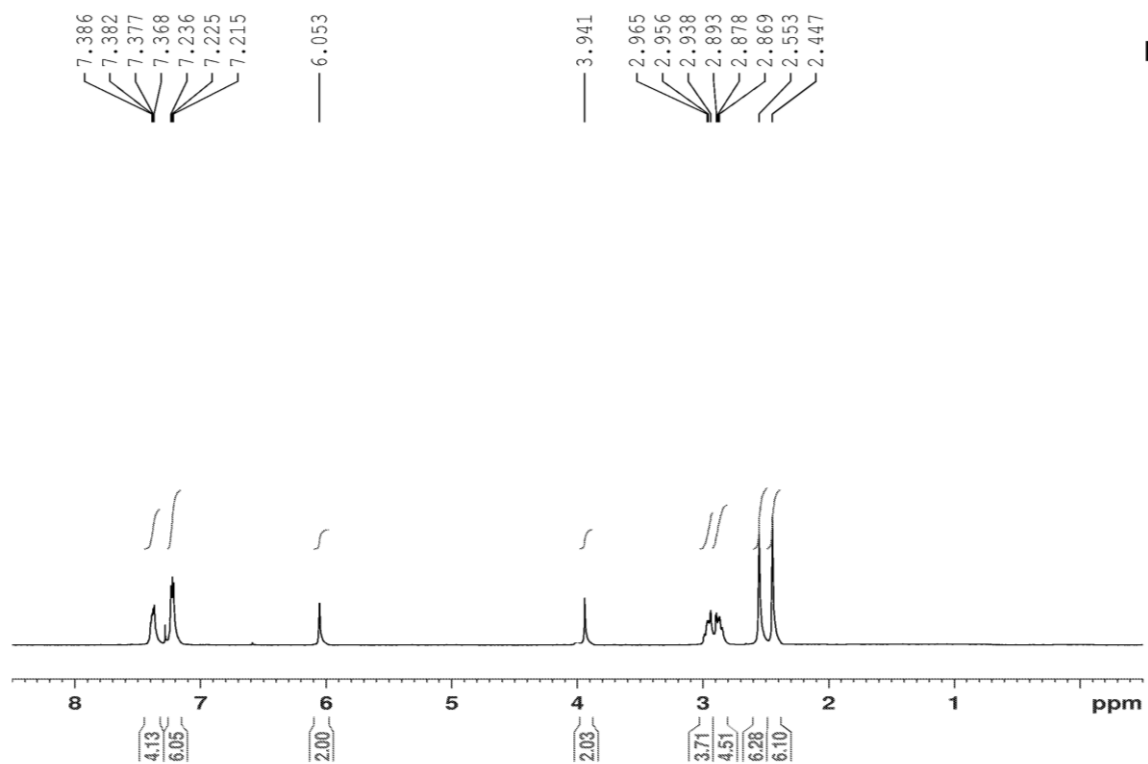


Figure S1. ^1H NMR spectra (300 MHz) of compound **CBS** in CDCl_3

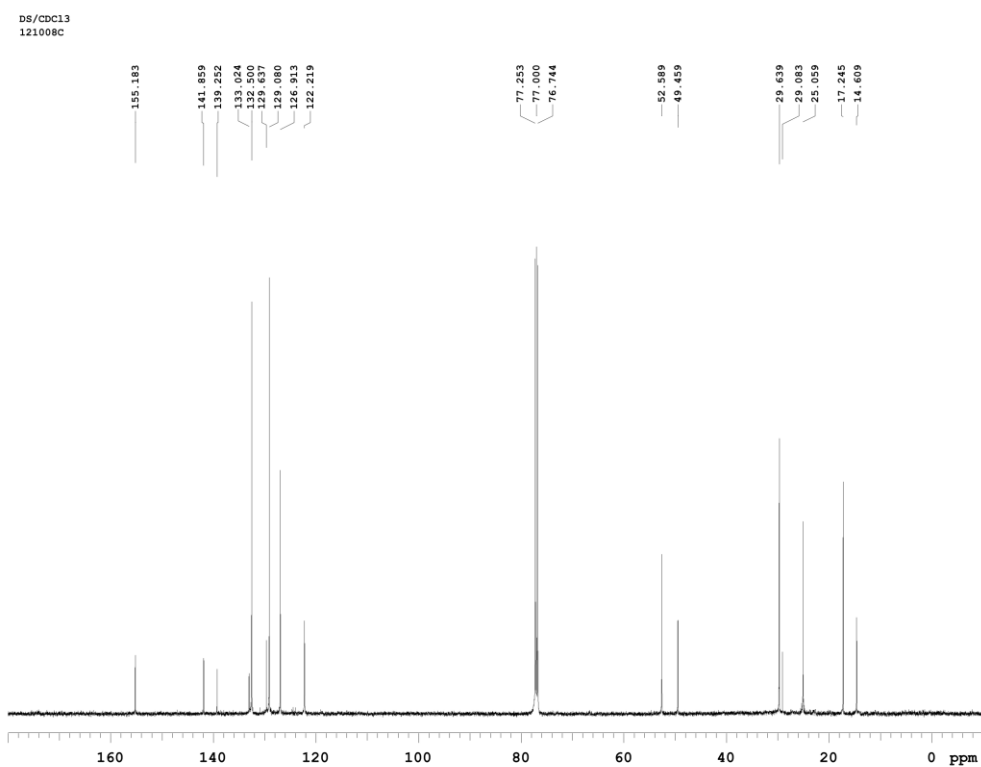


Figure S2. ^{13}C NMR spectra (75 MHz) of compound **CBS** in CDCl_3

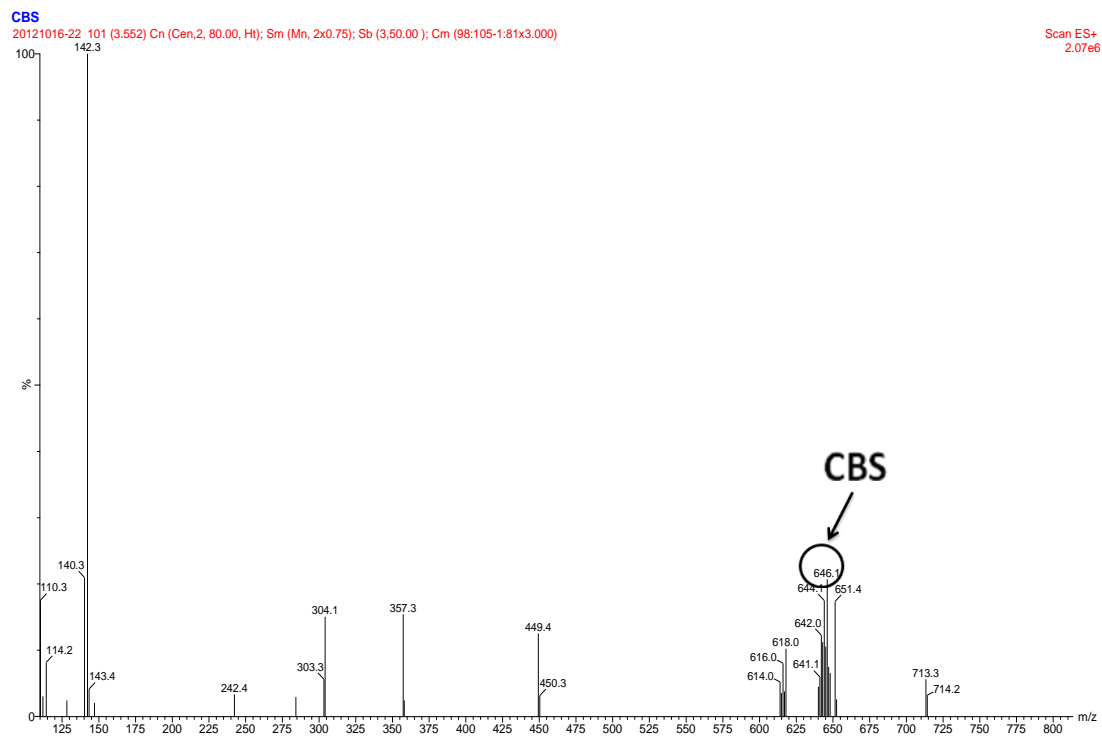


Figure S3. ESI-Mass of CBS

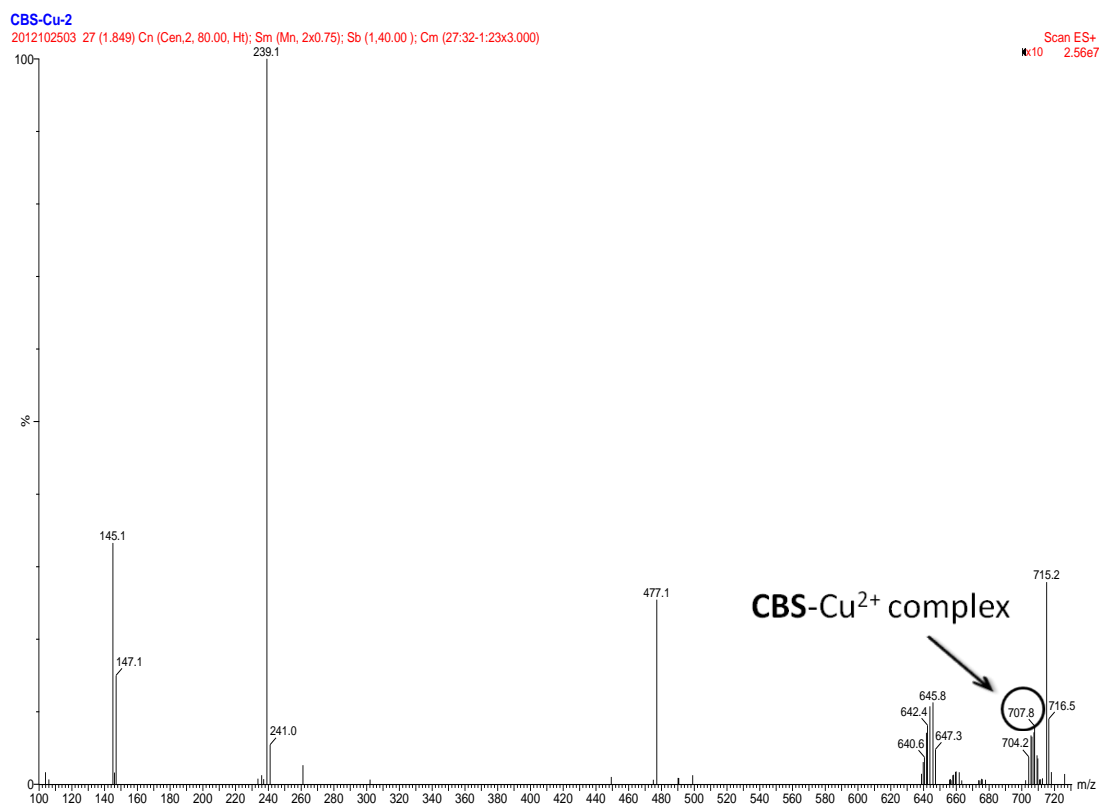


Figure S4. ESI-Mass of **CBS-Cu²⁺** complex.

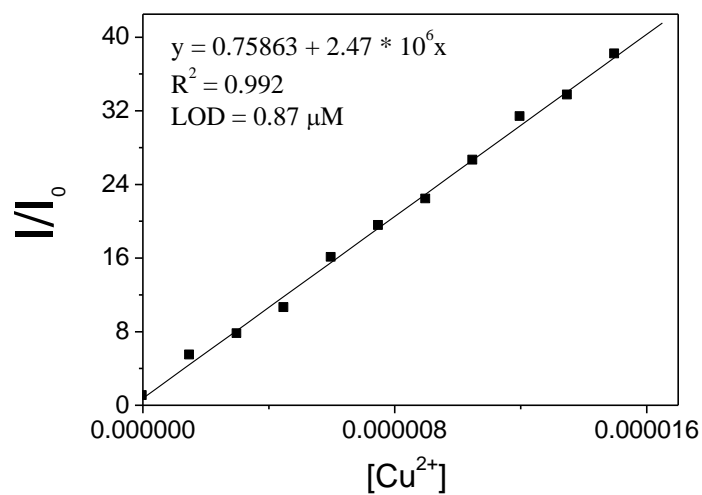


Figure S5. The detection limit of chemosensor **CBS** (15 μM) with **Cu²⁺** in acetonitrile-water (v/v = 7:3, 10 mM HEPES, pH 7.0) solutions. The excitation wavelength was 500 nm and observed wavelength was 516 nm. The detection limit for **Cu²⁺** binding in **CBS** was 0.87 μM .