

**A reversible colorimetric and fluorescence “turn-off”
chemosensor for detection of Cu(II) and its application in
living cell imaging**

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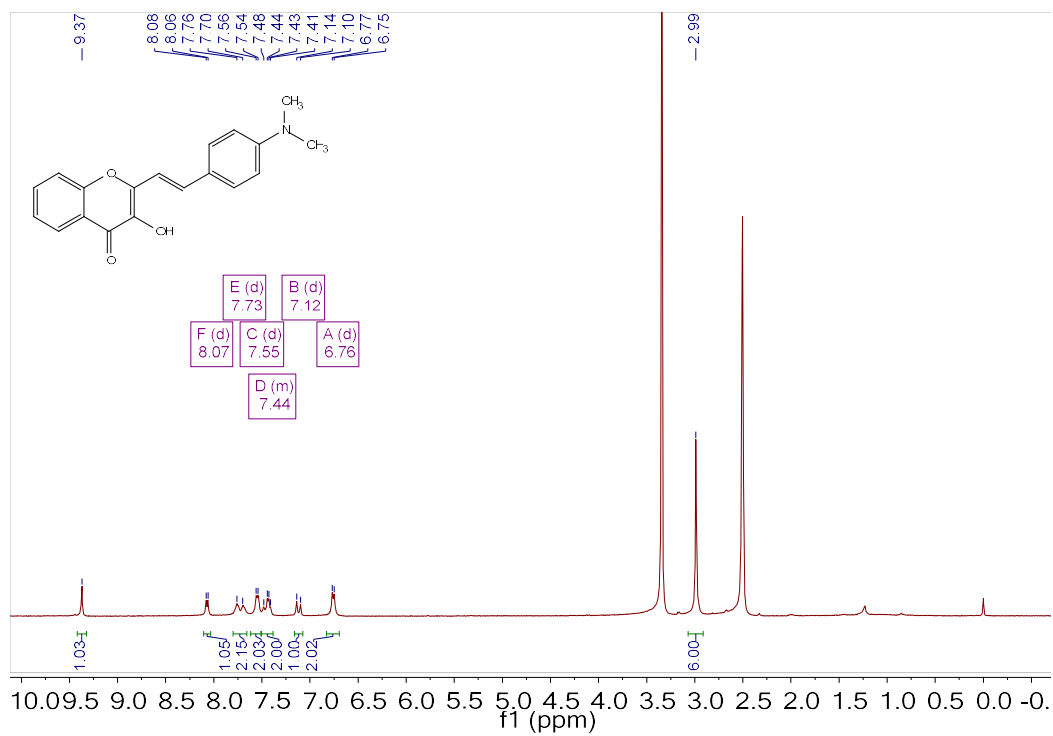


Figure S1: ¹H-NMR (400 MHz) spectrum of **4** in DMSO-*d*₆

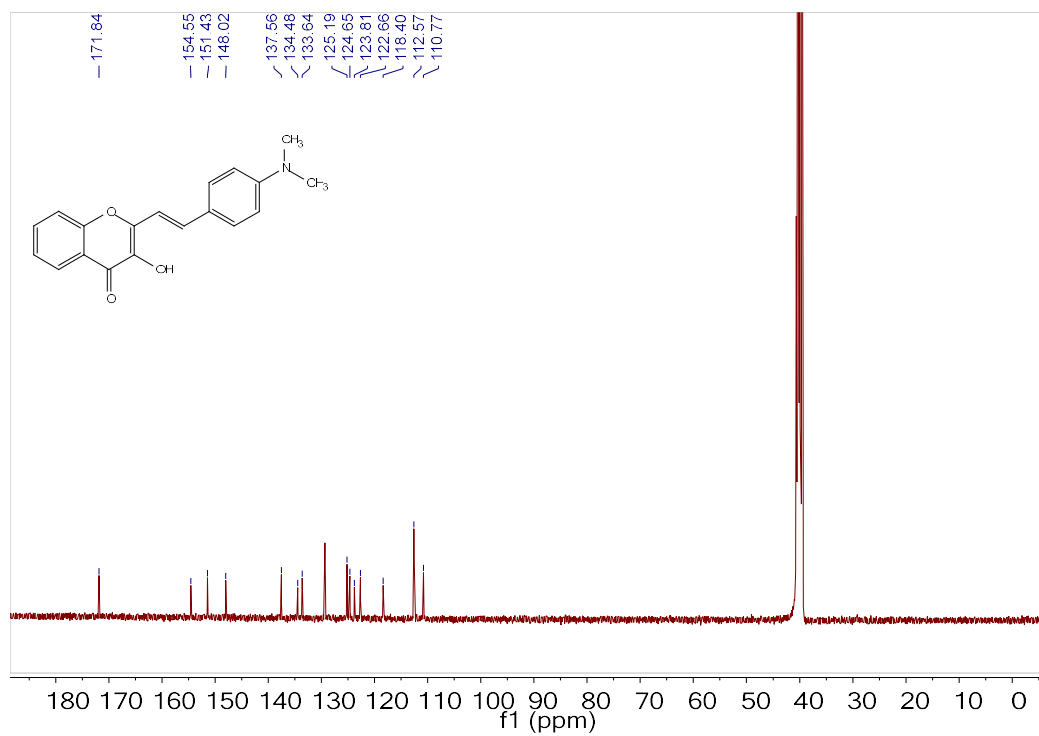


Figure S2: ¹³C-NMR (100 MHz) spectrum of **4** in DMSO-*d*₆

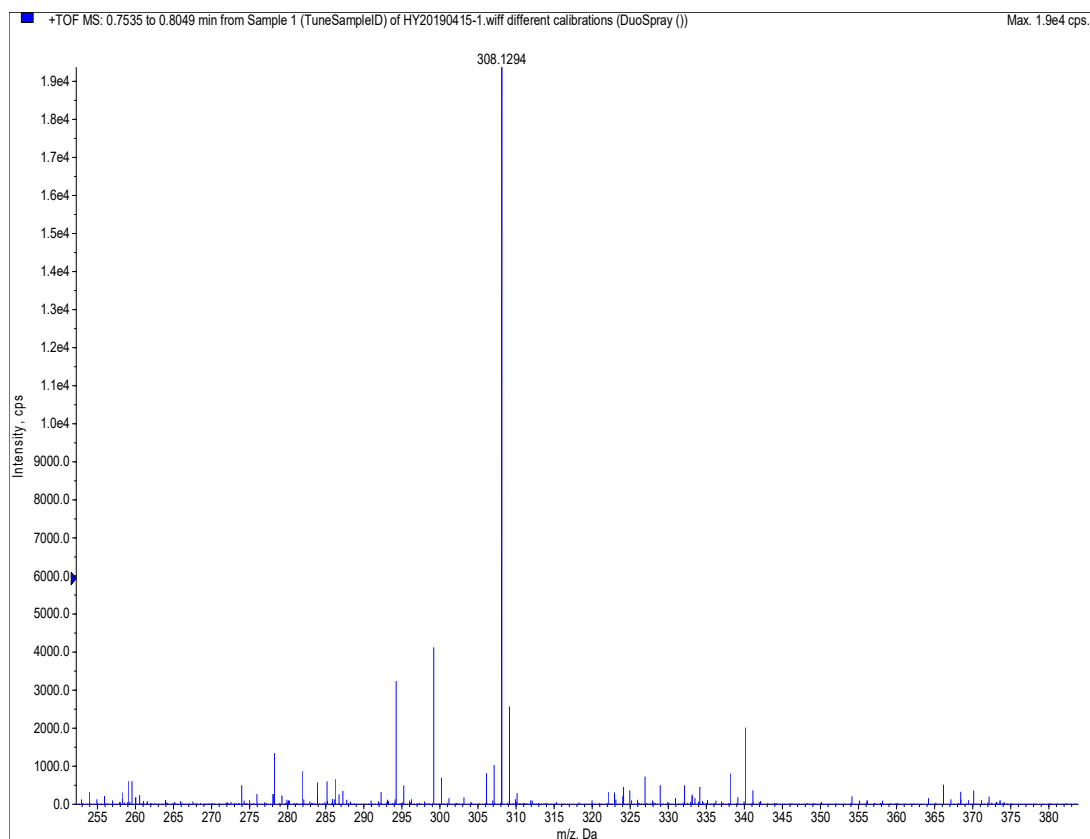


Figure S3: HRMS spectrum of **4**

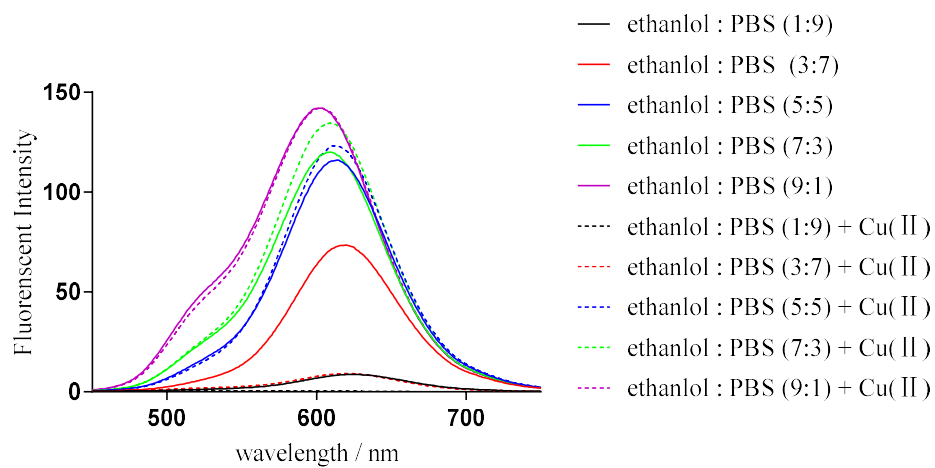


Figure S4: Fluorescence spectra of **4** (20 μ M) upon addition of Cu(II) (20 μ M) in ethanol/PBS solution of various proportions.

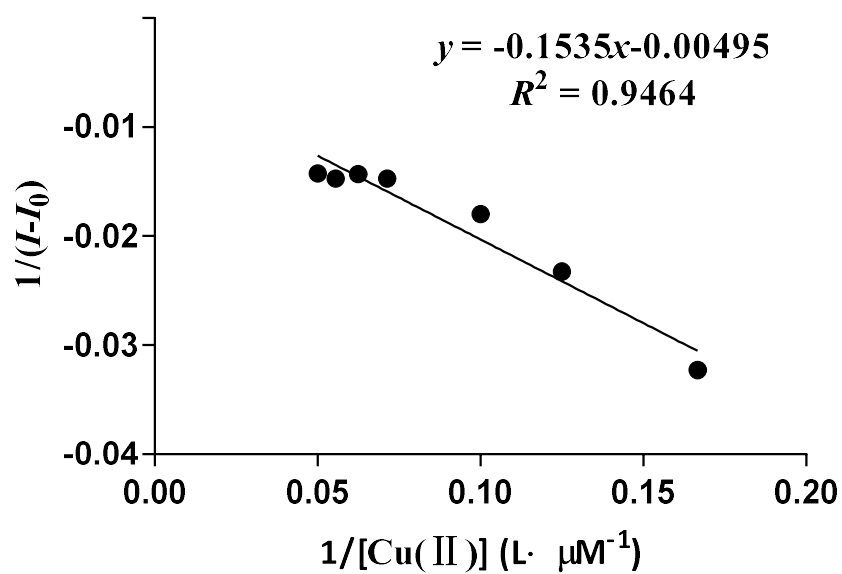


Figure S5: The Benesi-Hildebrand plot of $1/(I-I_0)$ versus $1/[\text{Cu}^{2+}]$. I_0 was the intensity of free **4**, I was the intensity of **4** upon addition of Cu^{2+} .