

Supporting Information
**Selective Colorimetric and Fluorometric Sensing of Cu(II) by Iminocoumarin
Derivative in Aqueous Buffer**
B. Nisar Ahamed and Pradyut Ghosh*

*Department of Inorganic Chemistry, Indian Association for the Cultivation of Science, 2A & 2B Raja S. C. Mullick Road,
Kolkata 700 032, India. Fax: +91 33-2473-2805.*

E-mail: icpg@iacs.res.in.

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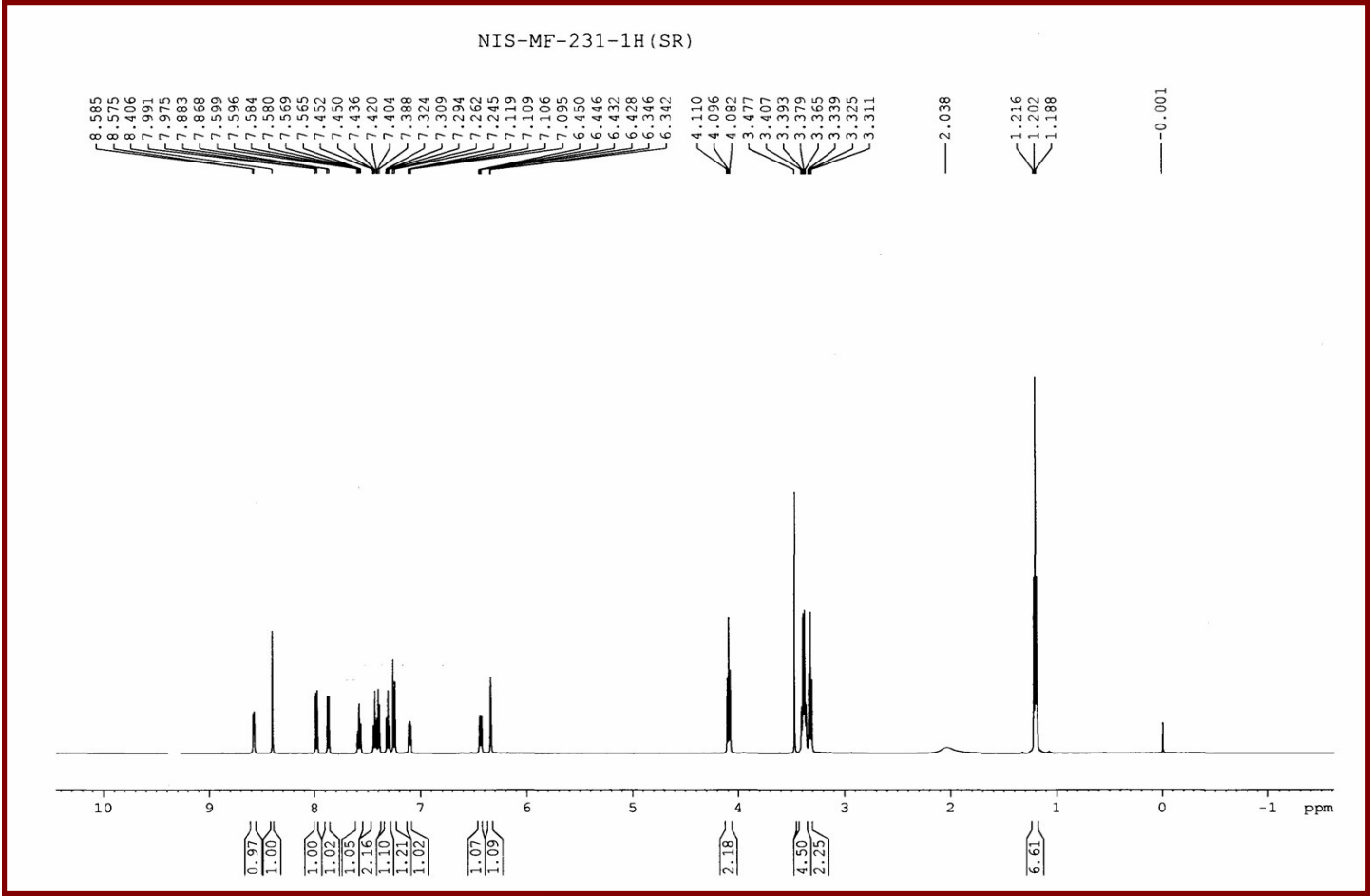


Figure S1. ¹H-NMR spectrum of **L** in CDCl₃

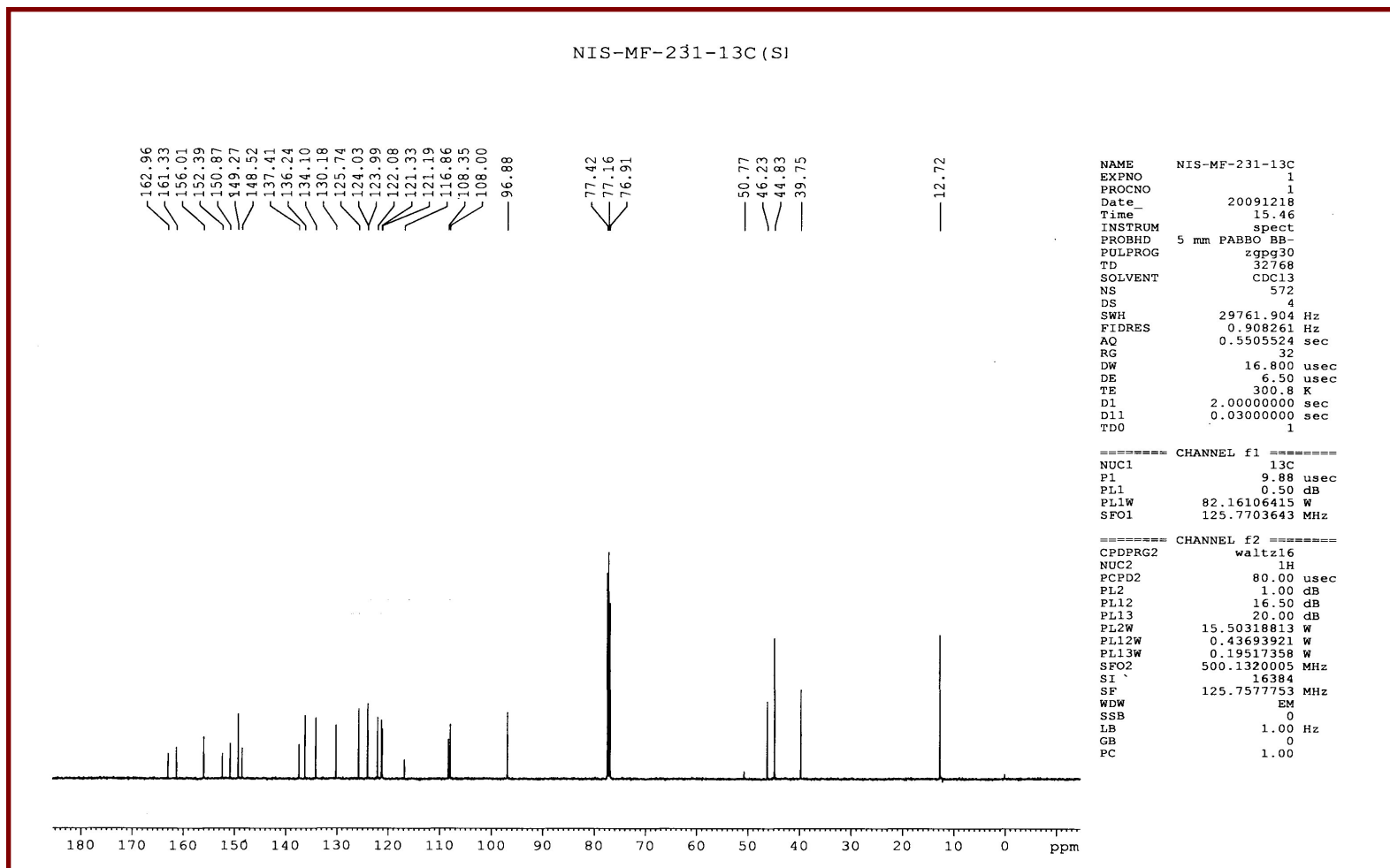


Figure S2. ^{13}C -NMR spectrum of **L** in CDCl_3

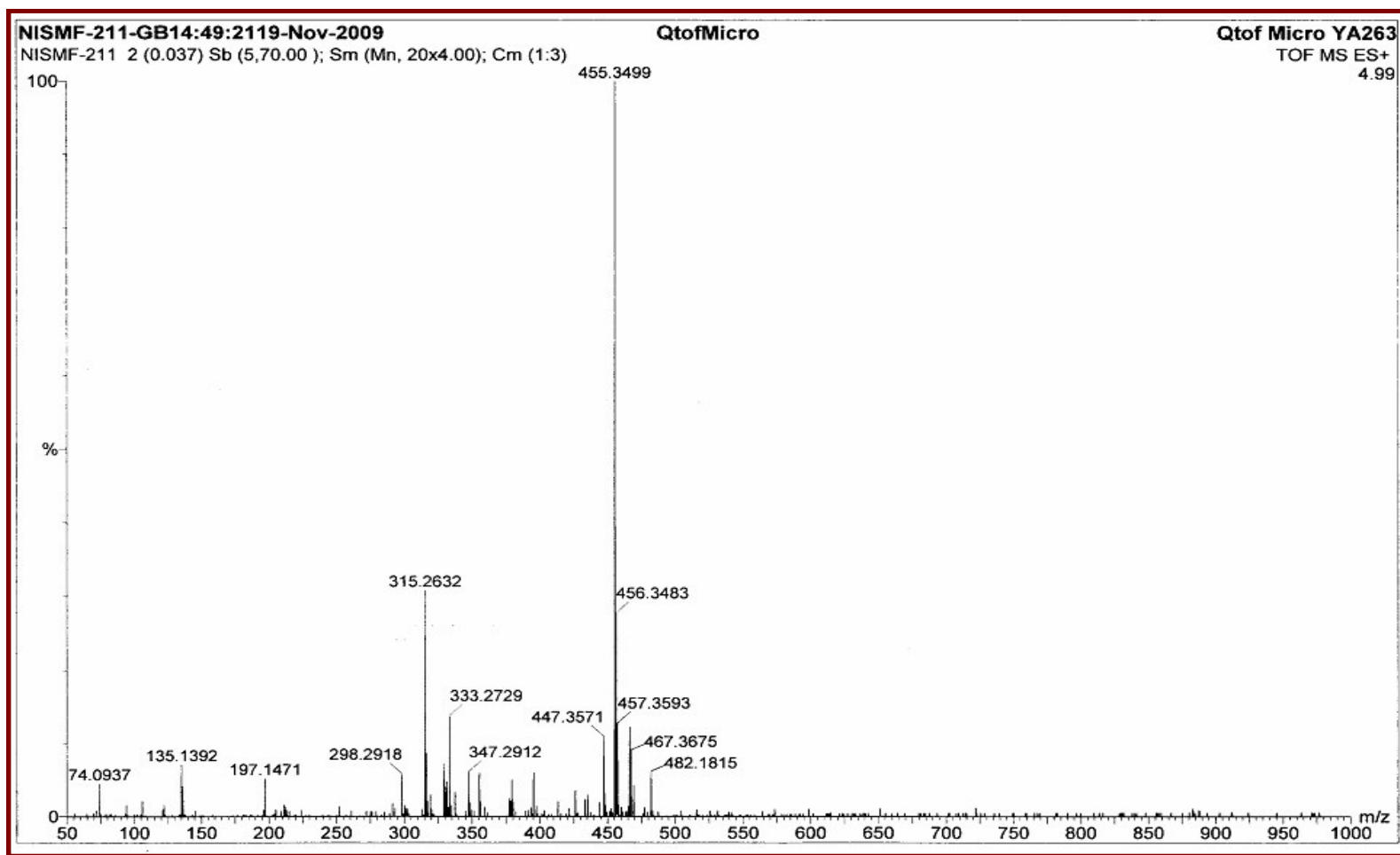


Figure S3. HRMS (ESI) spectrum of **L**.

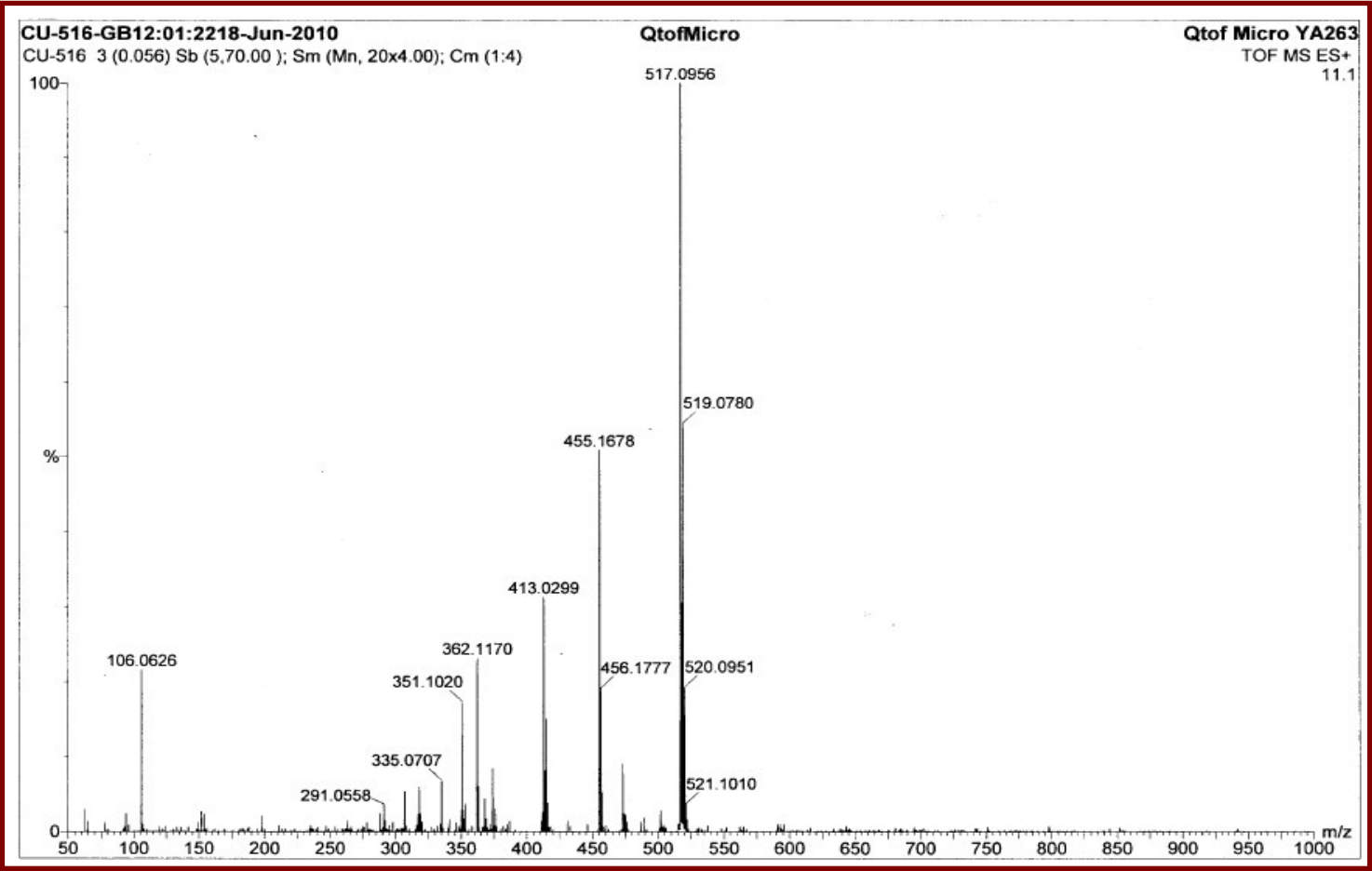


Figure S4. HRMS (ESI) spectrum of complex 1.

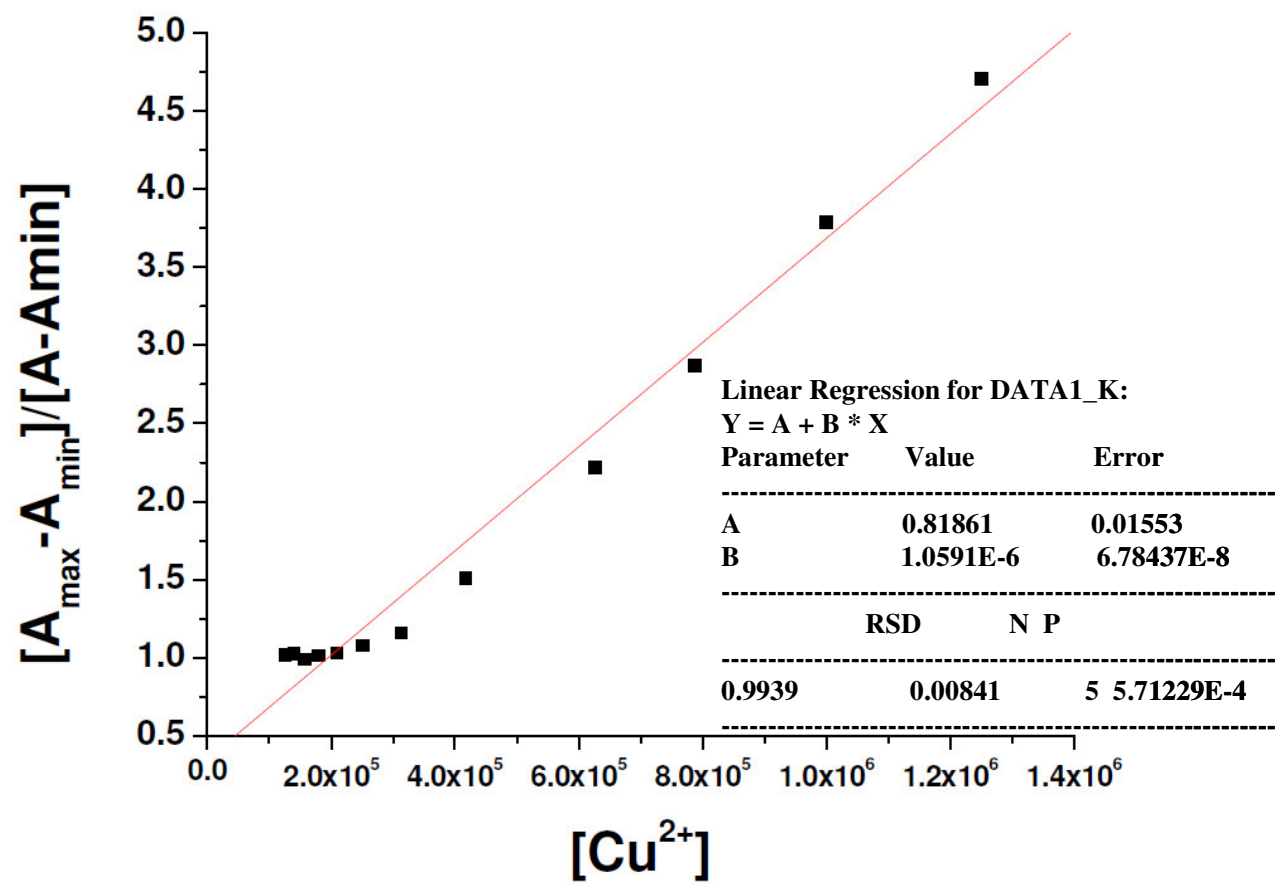


Figure S5.The Benesi–Hildebrand plot of UV-Vis titration profile of L (1×10^{-5} M) with gradual increase of Cu^{2+} in 10 mM HEPES (pH-7.03).

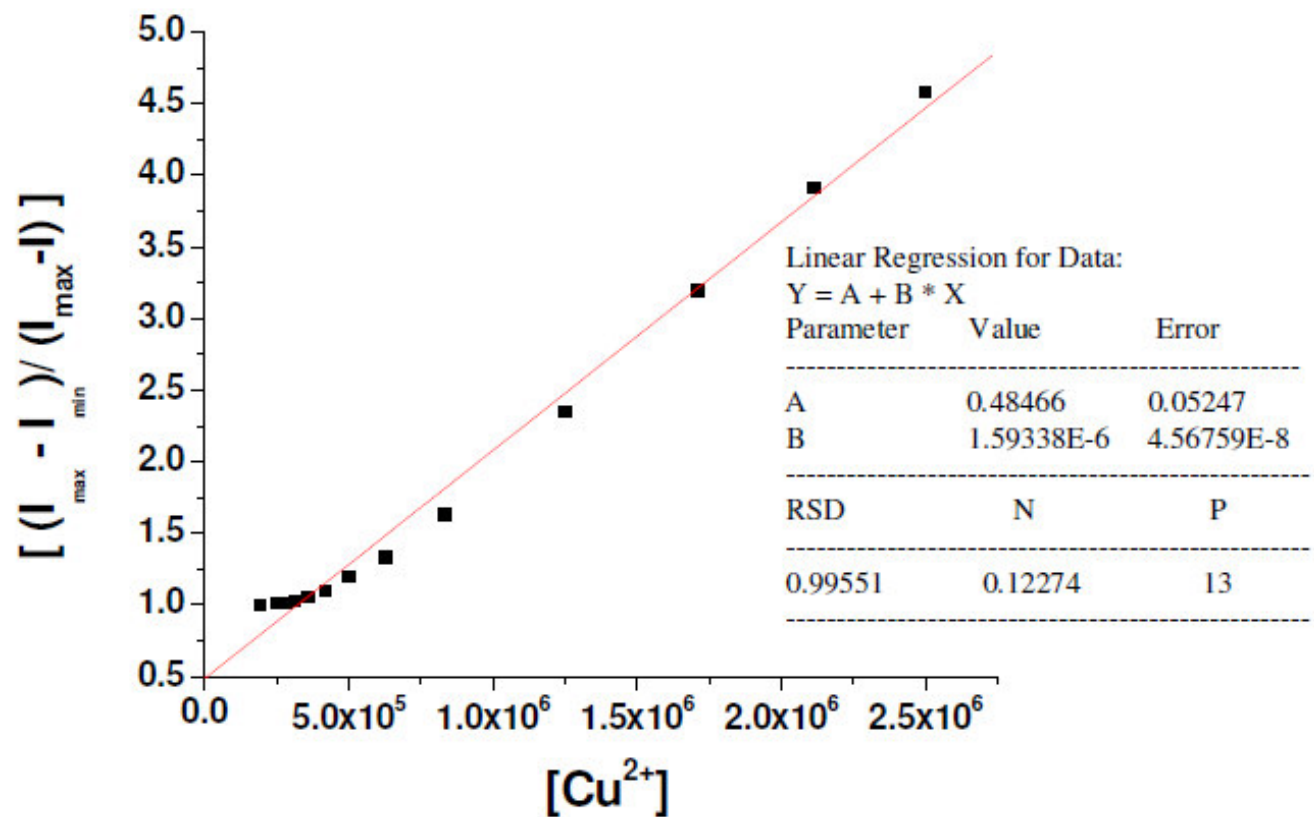


Figure S6. The change in emission intensity of **L** (5×10^{-7} M) with gradual increase of Cu^{2+} (1×10^{-4} M) in 10 mM HEPES (pH-7.00).