

A 7-nitrobenz-2-oxa-1,3-diazole based highly sensitive and selective turn-on chemosensor for Copper(II) ion with intracellular application without cytotoxicity.

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Supporting Information for Publication

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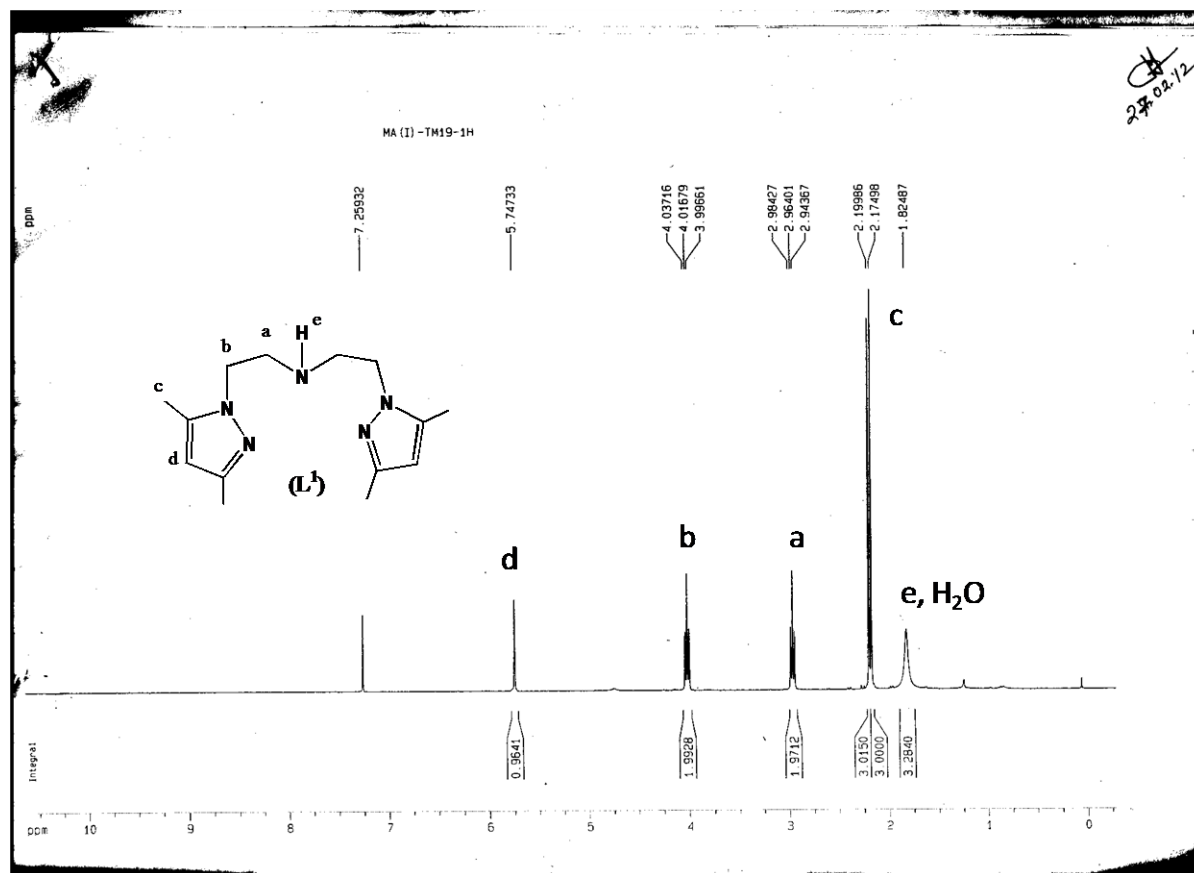


Figure S1. ^1H NMR spectrum of **L1** in CDCl_3 , in Bruker 200 MHz instrument

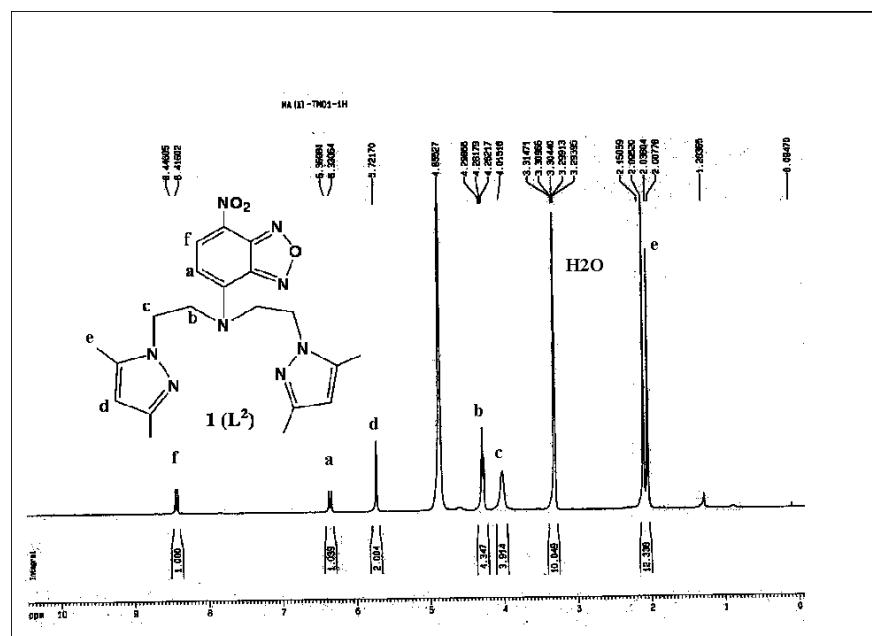


Figure S2(a). 1H NMR spectrum of Ligand 1 in CD_3OD .

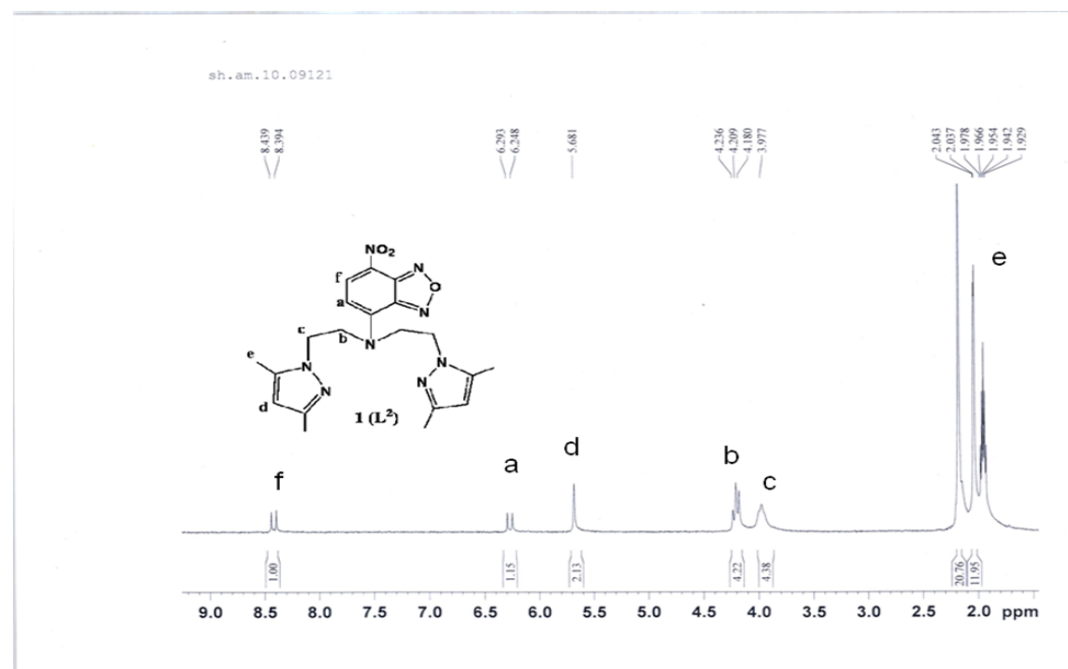


Figure S2(b). 1H NMR spectrum of Ligand 1 in CD_3CN .

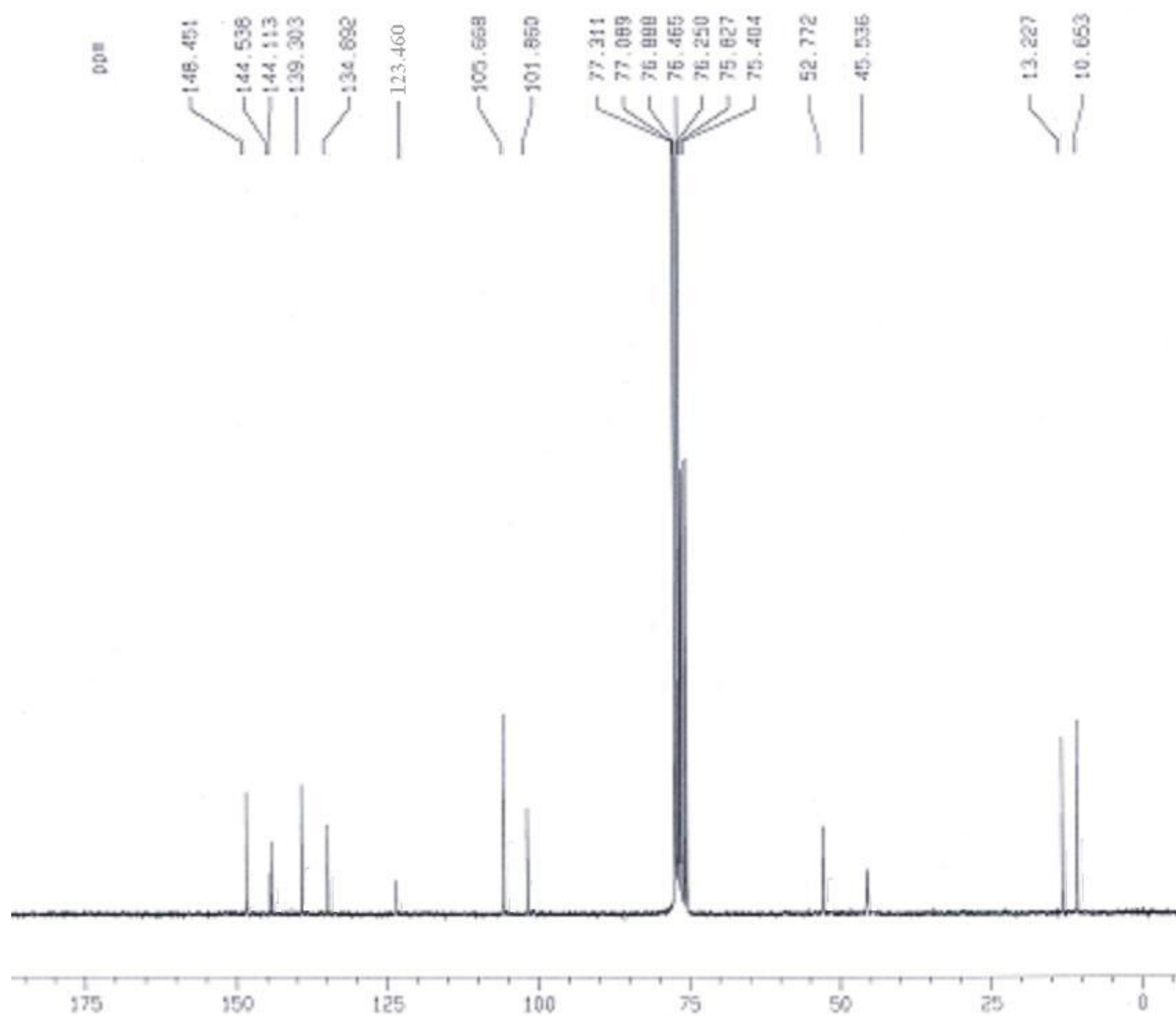


Figure S2(c). ^{13}C -NMR spectrum of Ligand 1 in CDCl_3 .

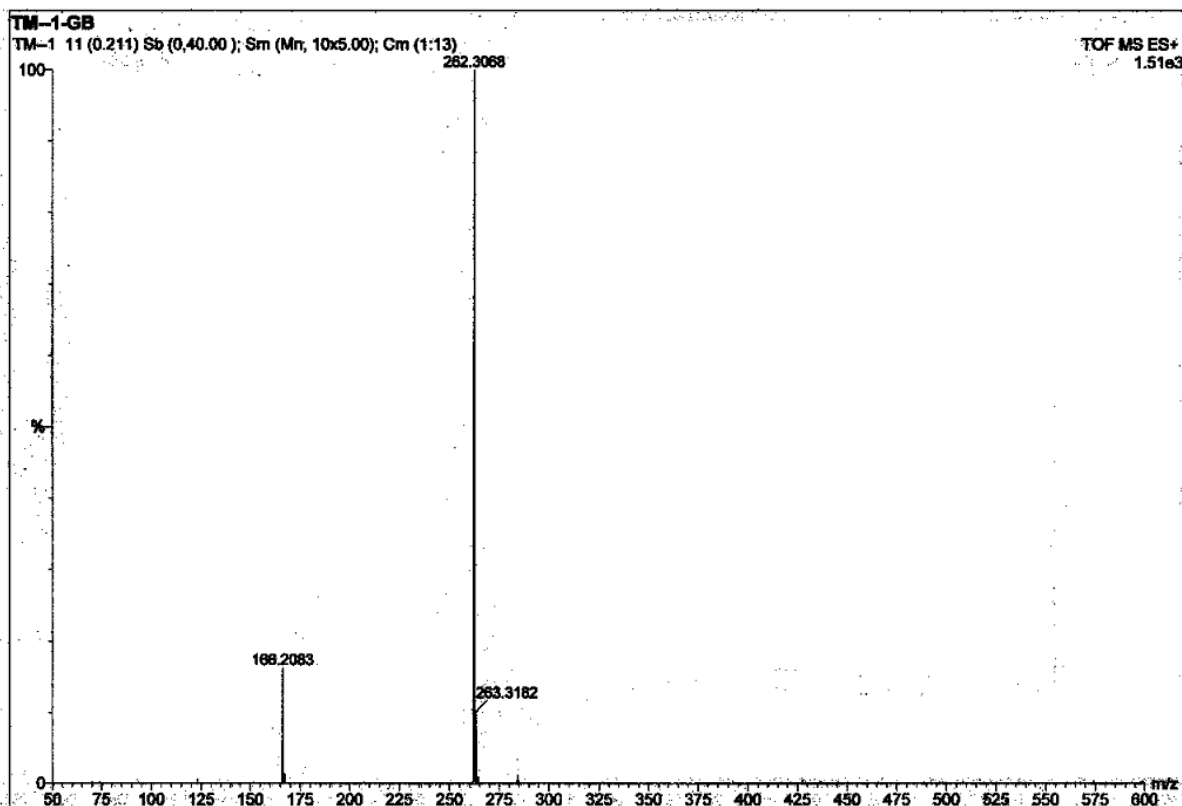


Figure S3(b). Mass spectrum of L¹.

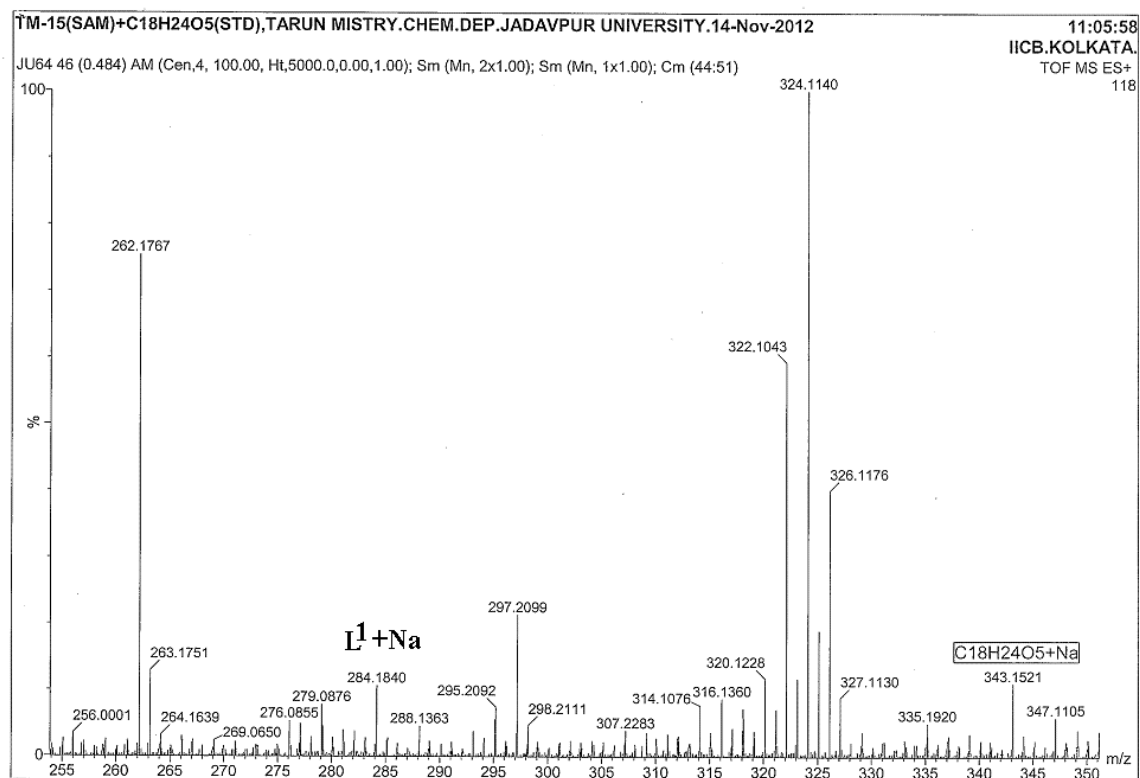


Figure S3(b) . HRMS spectrum of L¹.

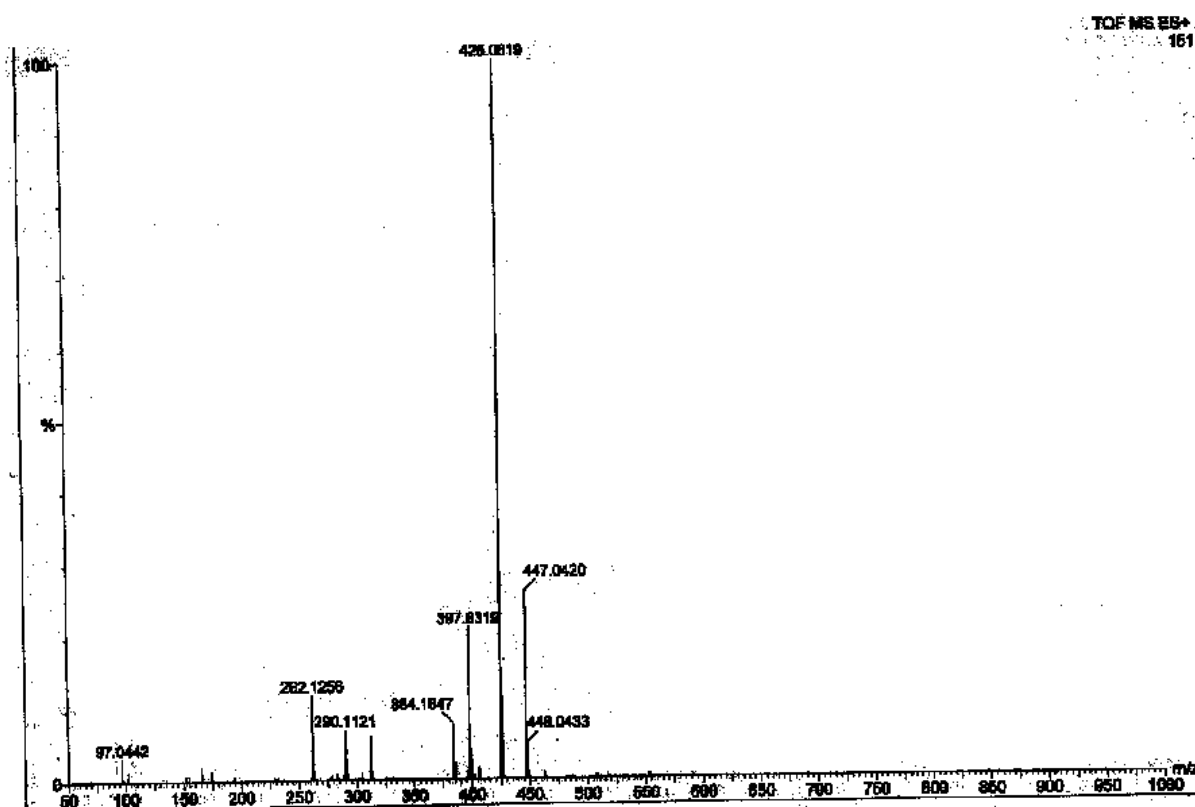


Figure S4(a) . Mass spectrum of $L^2(1)$.

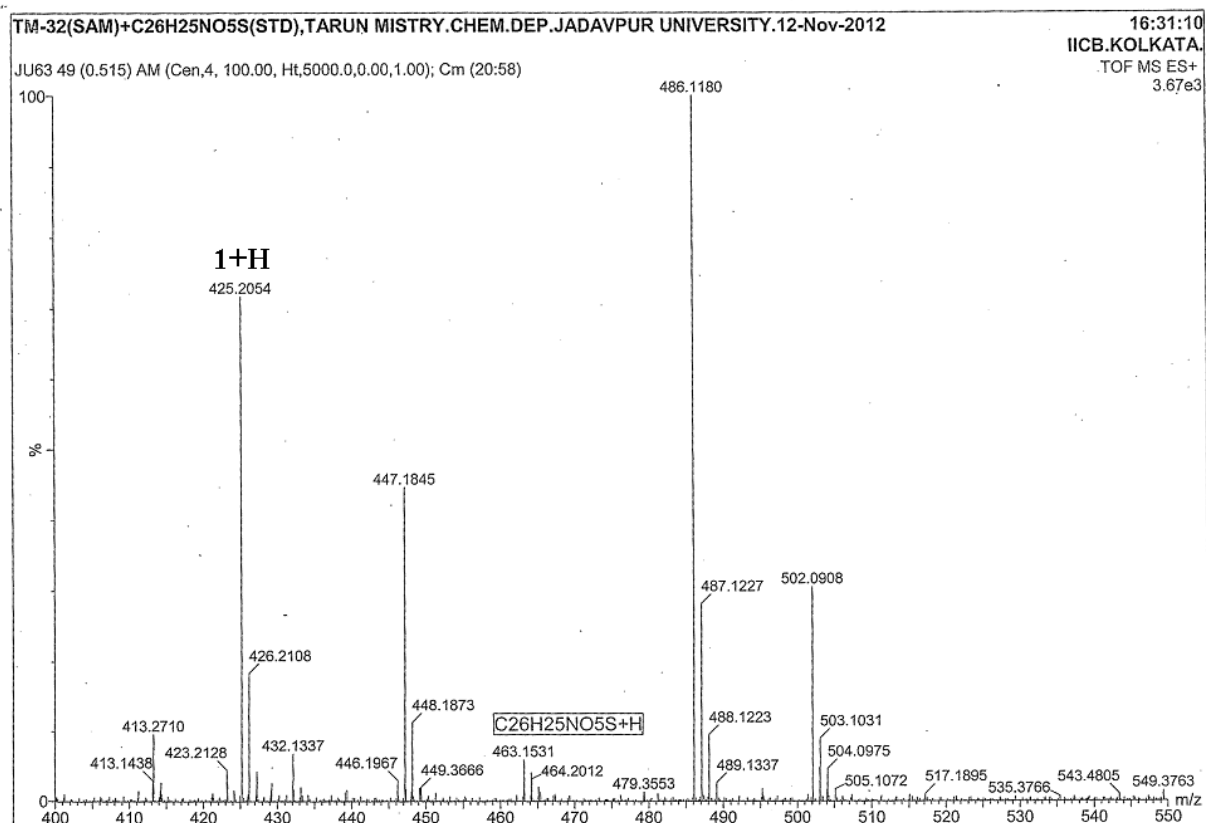


Figure S4(b) . HRMS spectrum of L²(1).

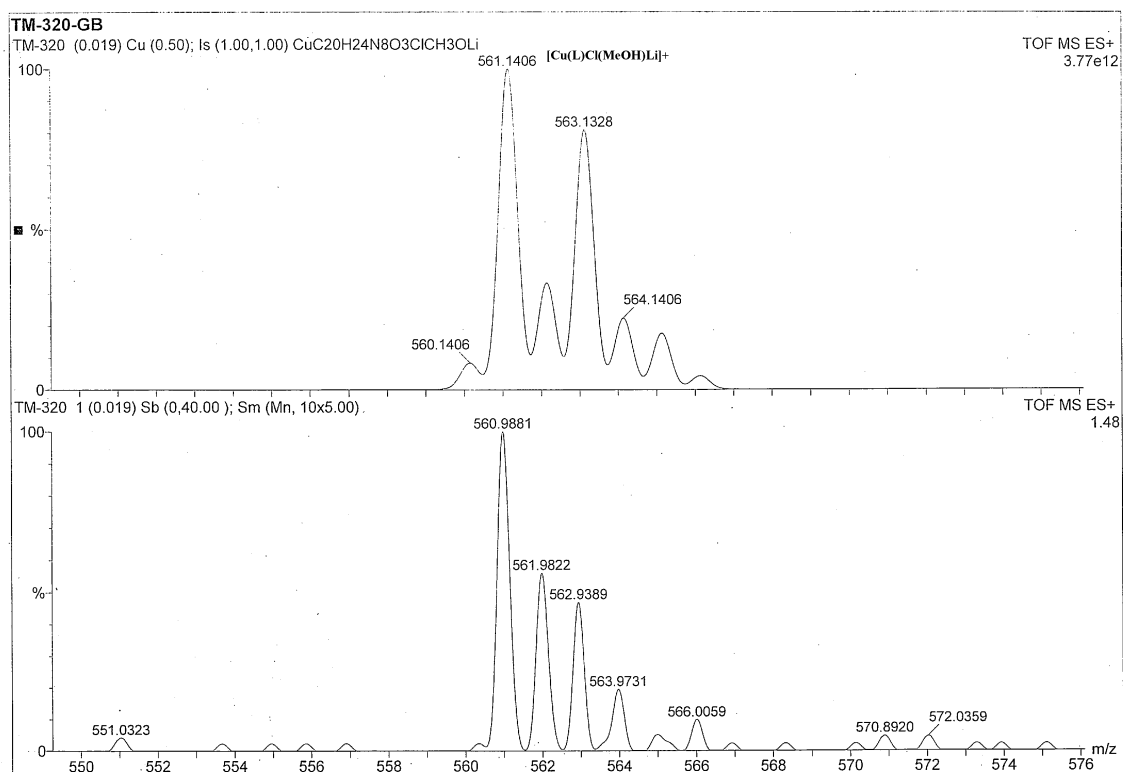


Figure S5. Mass spectrum of 1+ Cu²⁺

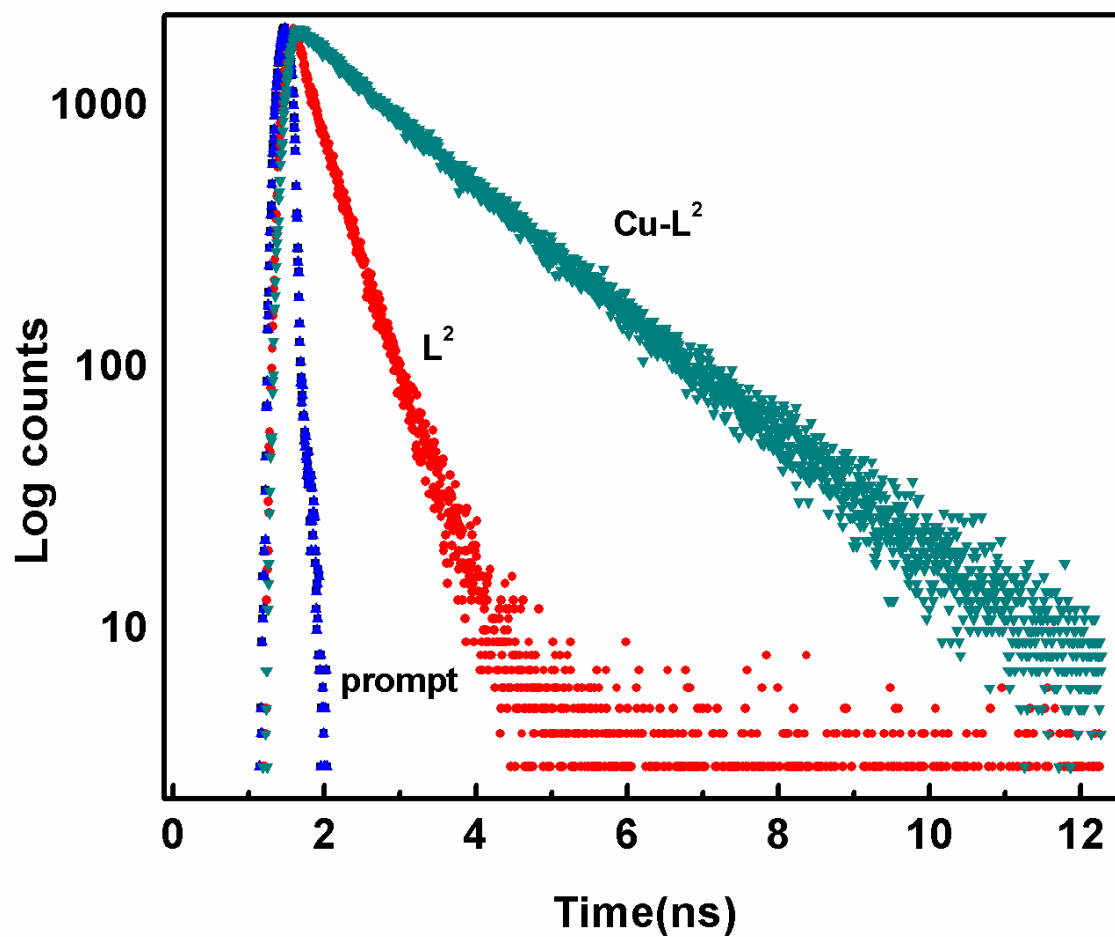


Figure S6. Time-resolved fluorescence decay of 1 in absence and in presence of added Cu²⁺ in 1:1 MeCN:H₂O (v/v) in HEPES buffer at pH 7.2 at room temperature (λ_{ex} =372 nm).