

An “off-on-off” fluorescent probe for sequential detection of Zn²⁺ and hydrogen sulfide in aqueous solution

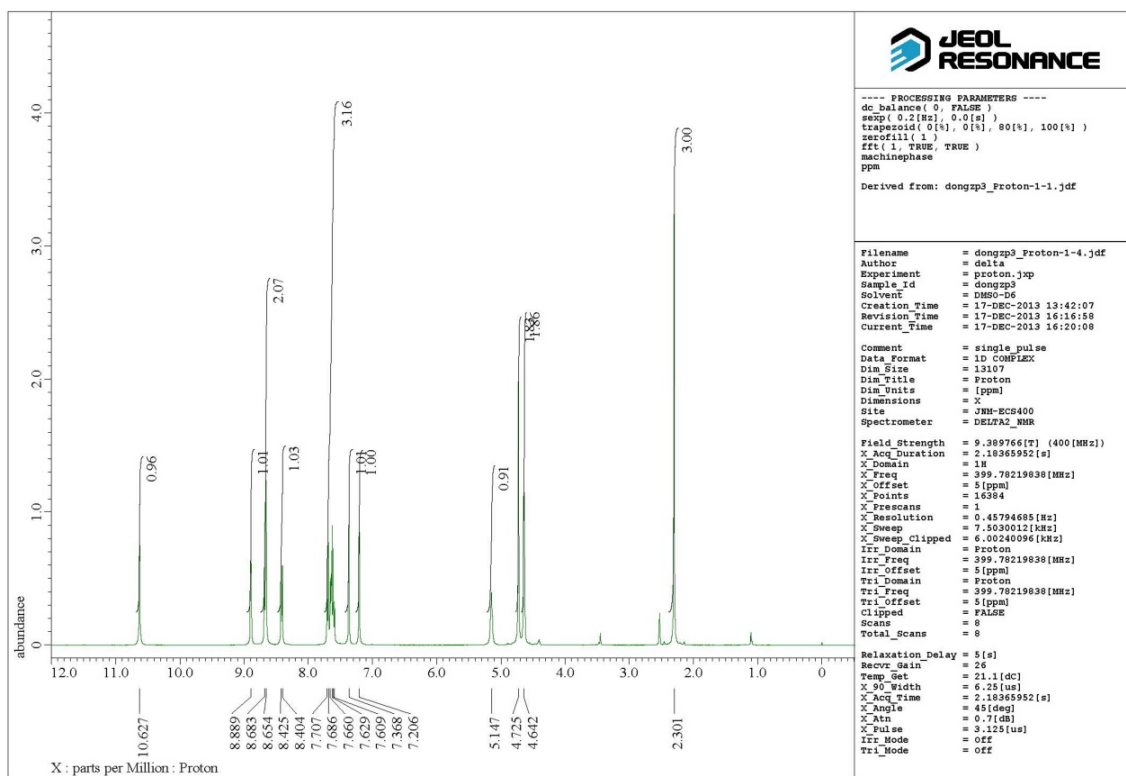
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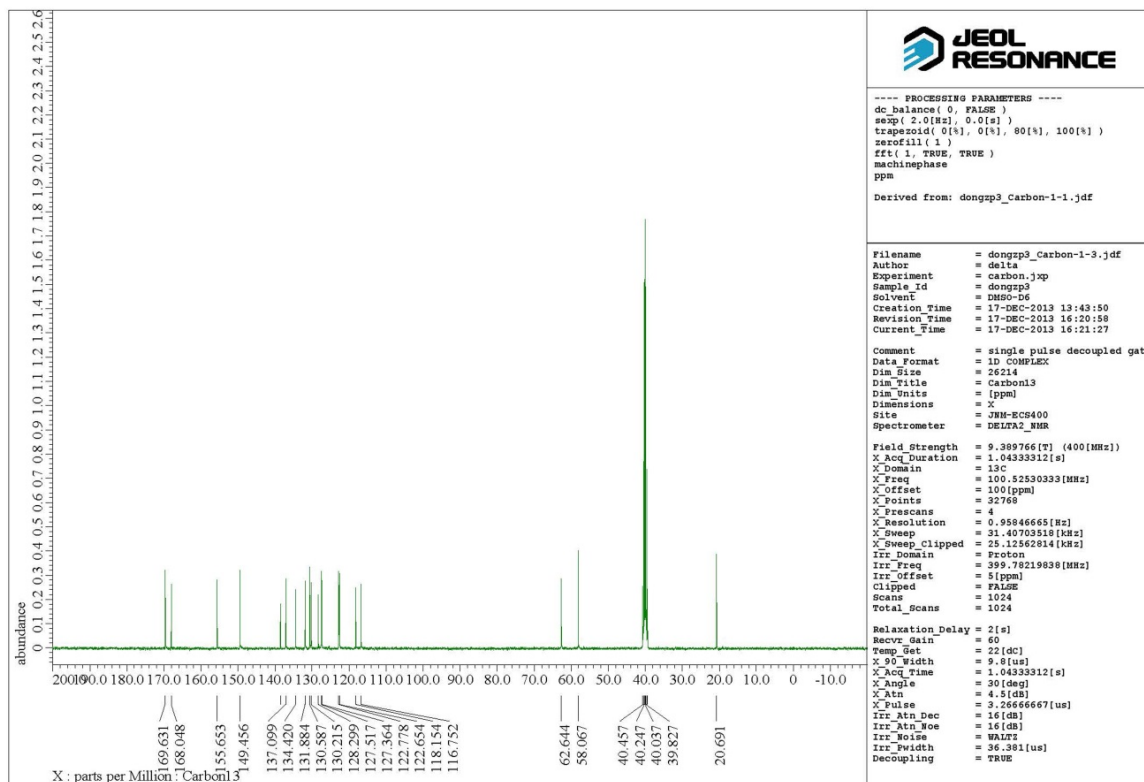
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1. Fig. S1. ¹H NMR of compound



2. Fig. S2. ¹³C NMR of compound L



3. Fig. S3. The optimization of the solvent ratio.

The optimization of the solvent ratio has been carried out. To simulate the biological environment and to get the best fluorescence intensity, the solvent has been selected as CH₃CN/Tris-HCl, 50 mM Tris, 50:50, v/v, pH 7.2.

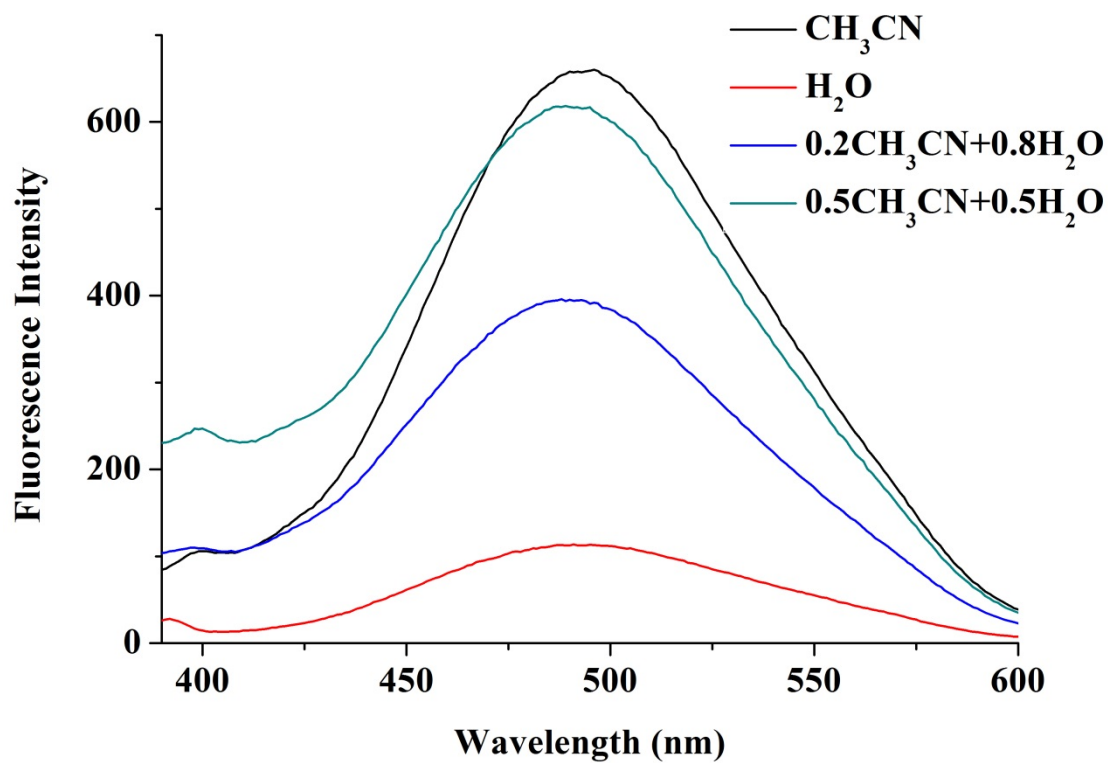


Fig. S3 Fluorescence spectra of LI (10 μM) in the solution with different solvent ratio in the presence of 20 eq. of Zn²⁺. λ_{ex} = 345 nm.