Electronic Supplementary Information

Fluorescent sensor for Al^{3+} ion in partially aqueous media using julolidine based probe

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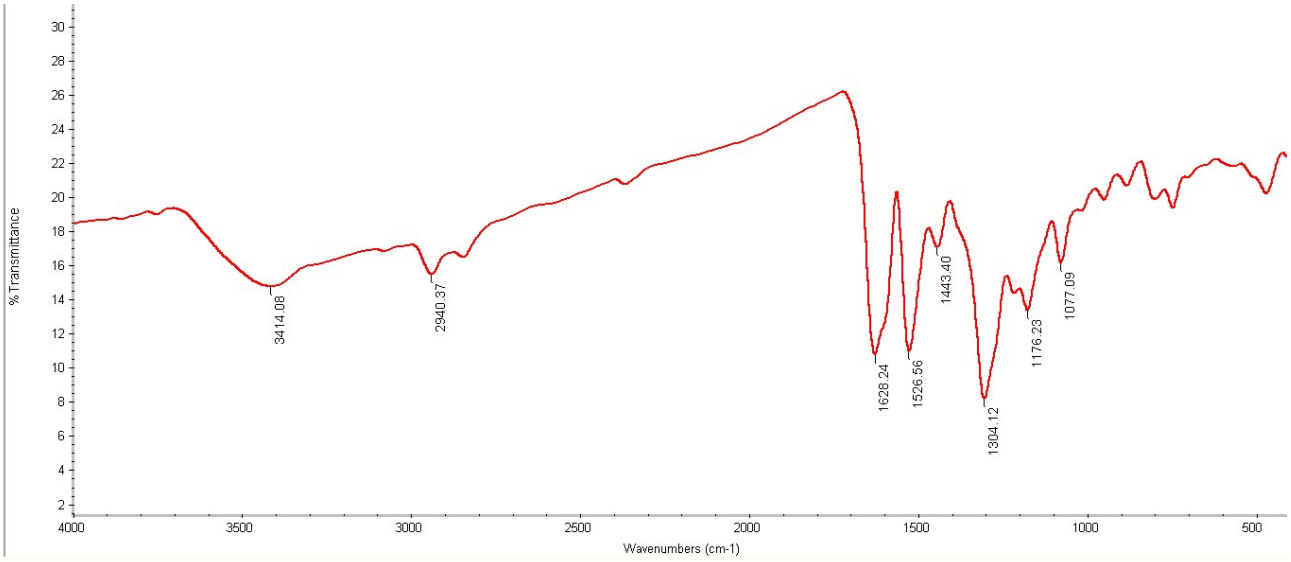
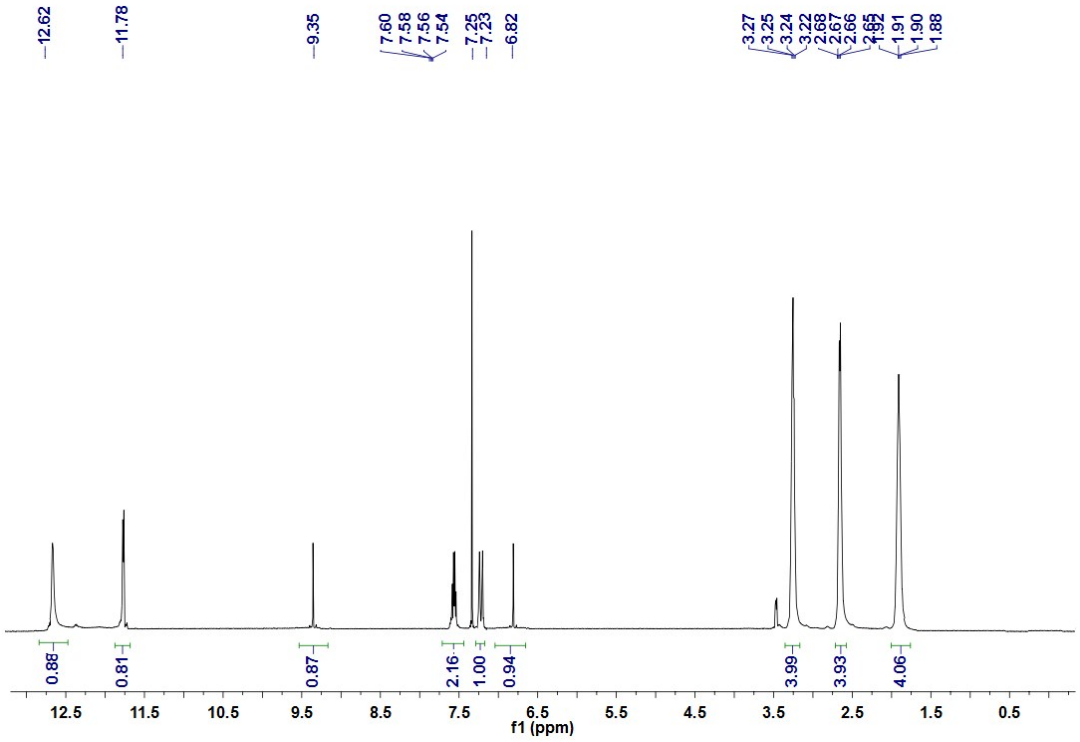
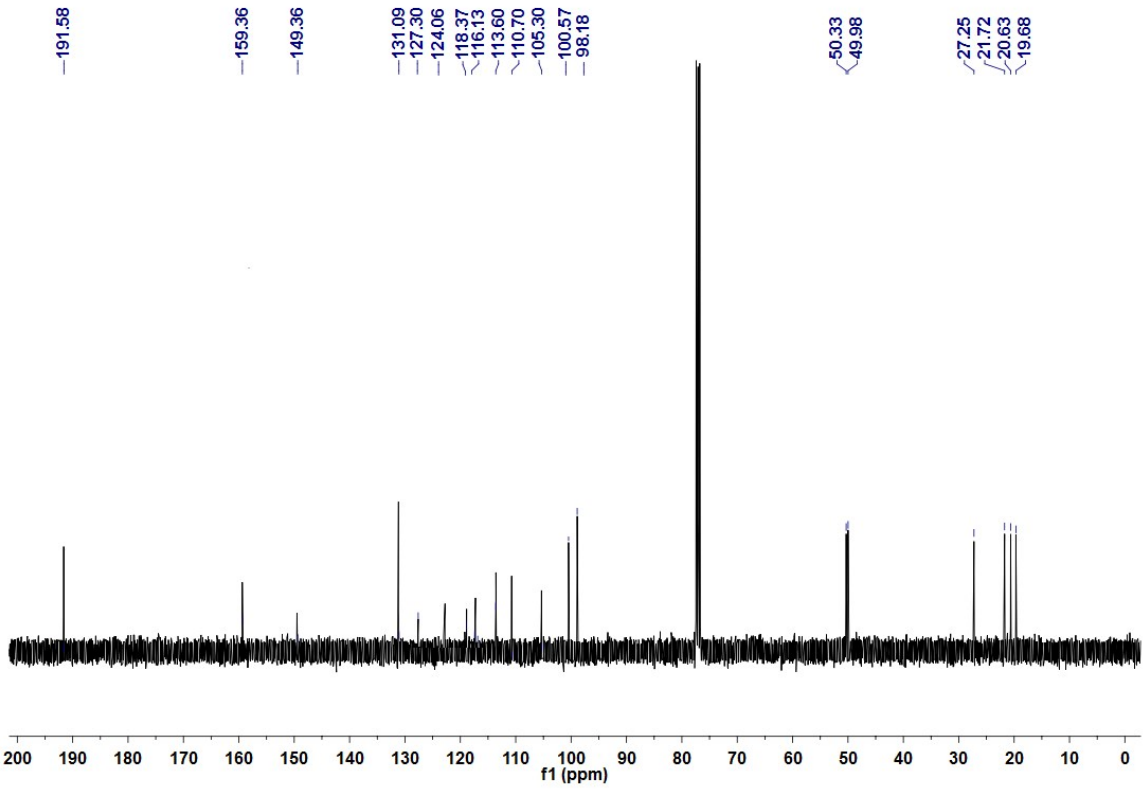


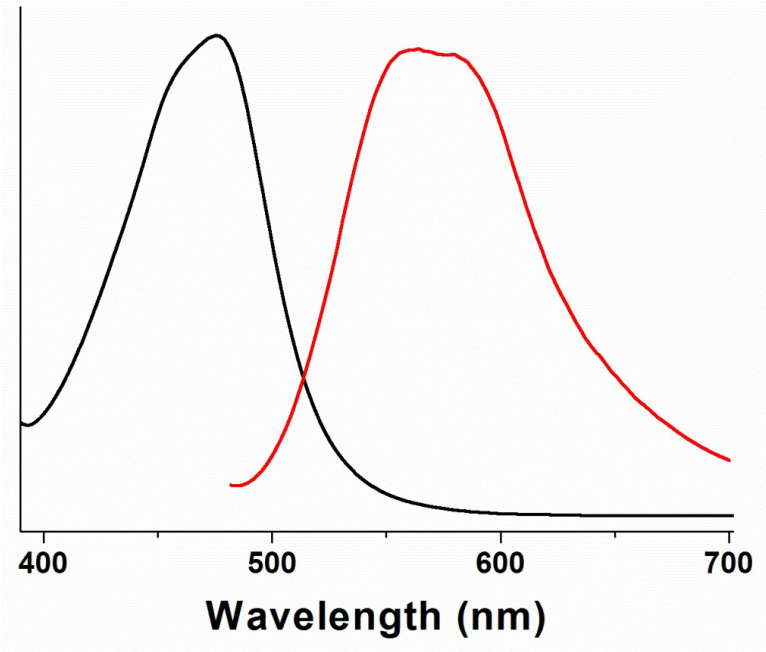
ESI Fig.S1 **IR Spectrum of Chemosensor L.**



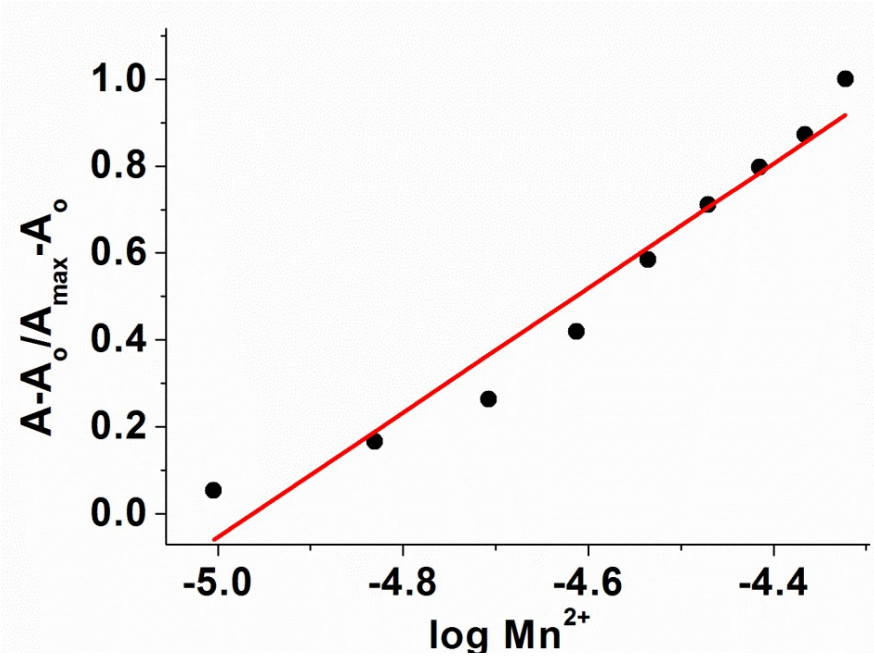
ESI Fig.S2 1H-NMR Spectrum of Chemosensor L.



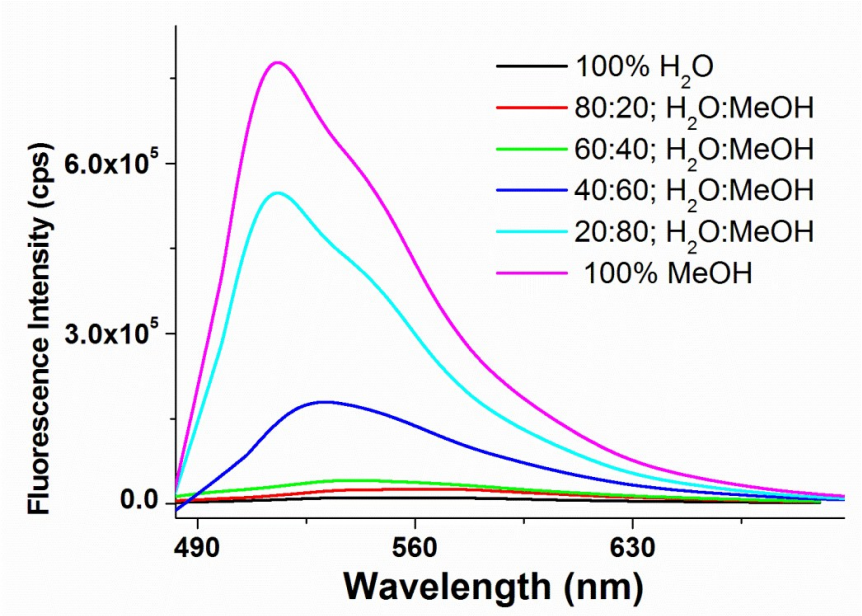
ESI Fig.S3 **^{13}C-NMR Spectrum of Chemosensor L.**



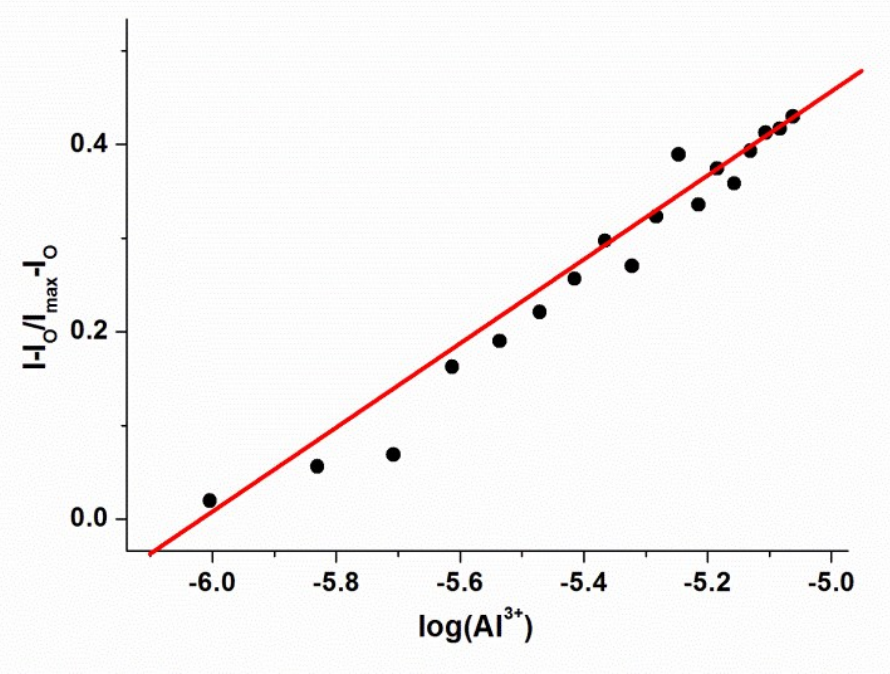
ESI Fig.S4 **UV-Vis absorption and Emission spectra of Chemosensor L.**



ESI Fig.S5 **Plot between $[A-A_0]/[A_{max}-A_0]$ and $\log[Mn^{2+}]$ for the calculation of Limit of Detection[LOD].**



ESI Fig.S6 **Emission spectra of chemosensor L with Al^{3+} metal ion in different aqueous medium (20%, 40 %, 60 %, 80 %, 100% water)**



ESI Fig.S7 **Plot between $[I-I_0]/[I_{max}-I_0]$ and $\log[Al^{3+}]$ for the calculation of Limit of Detection[LOD].**