

Electronic Supplementary Information

Selective colorimetric sensors for cyanide and acetate ion in partially aqueous medium

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ESI Fig.1. UV-Vis spectra of L₁ and L₂.

ESI Fig.2. ¹H-NMR spectra of L₁.

ESI Fig.3. ¹³C-NMR spectra of L₁.

ESI Fig.4. ¹H-NMR spectra of L₂.

ESI Fig.5. ¹³C-NMR spectra of L₂.

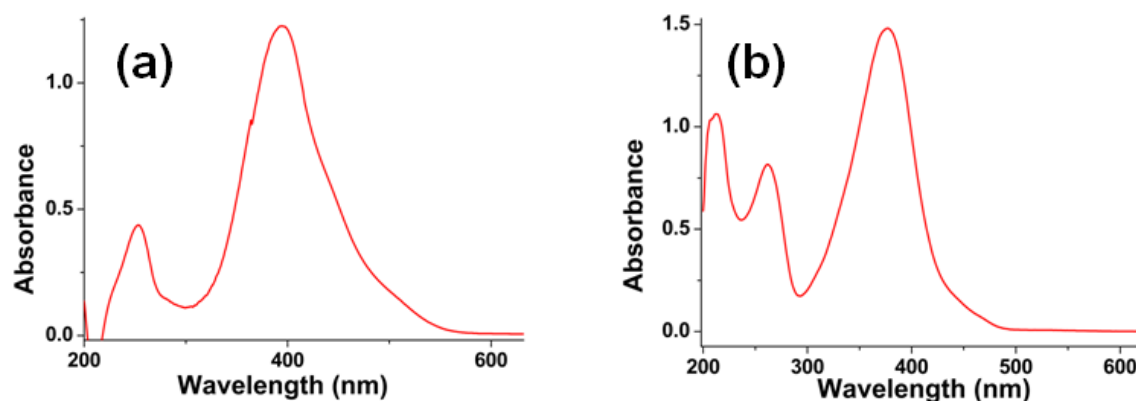
ESI Fig.6. IR spectra of L₁.

ESI Fig.7. IR spectra of L₂.

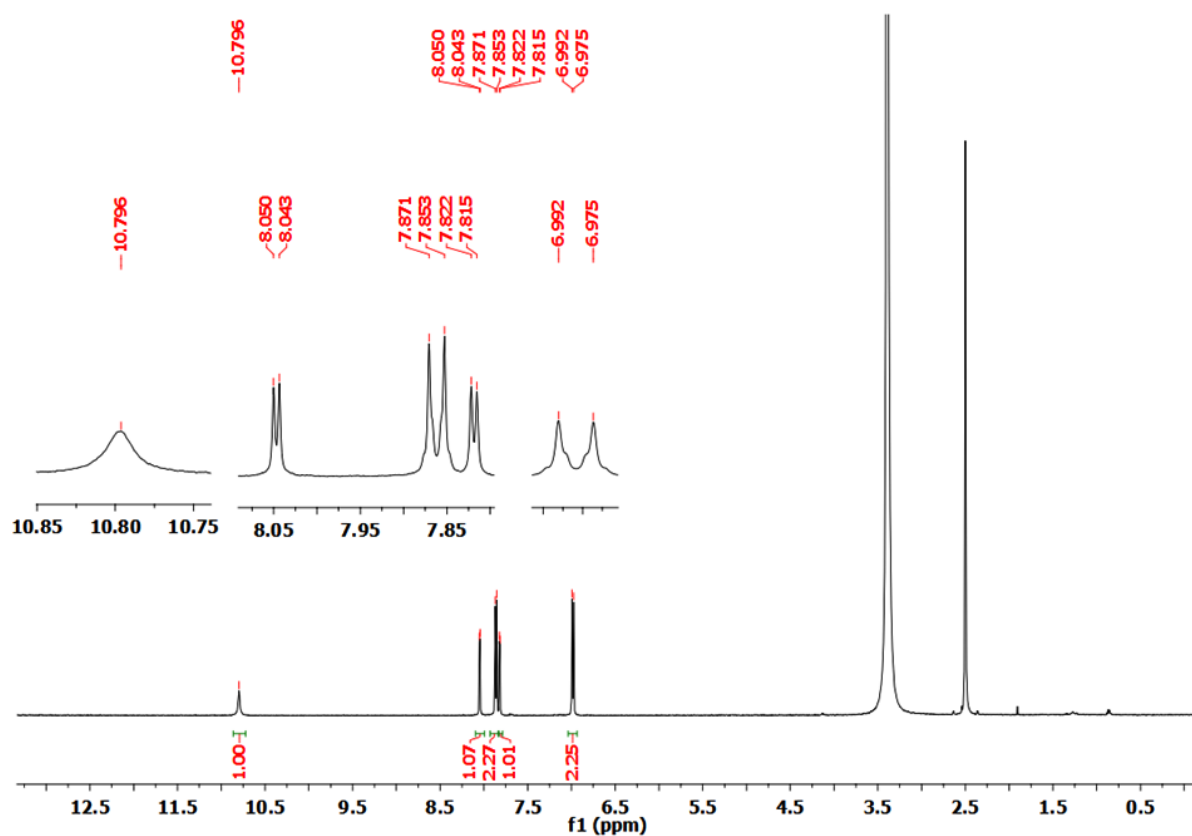
ESI Fig.8. A plot of $(A - A_{\min})/(A_{\max} - A_{\min})$ vs log A⁻ to calculate LOD of L₁ with (a) CN⁻ ion (b) AcO⁻ ion. A plot of $(A - A_{\min})/(A_{\max} - A_{\min})$ vs log A⁻ to calculate LOD of L₂ with (c) CN⁻ ion (d) AcO⁻ ion.

ESI Fig.9. Job's plot of L₁ with CN⁻ and AcO⁻ ion.

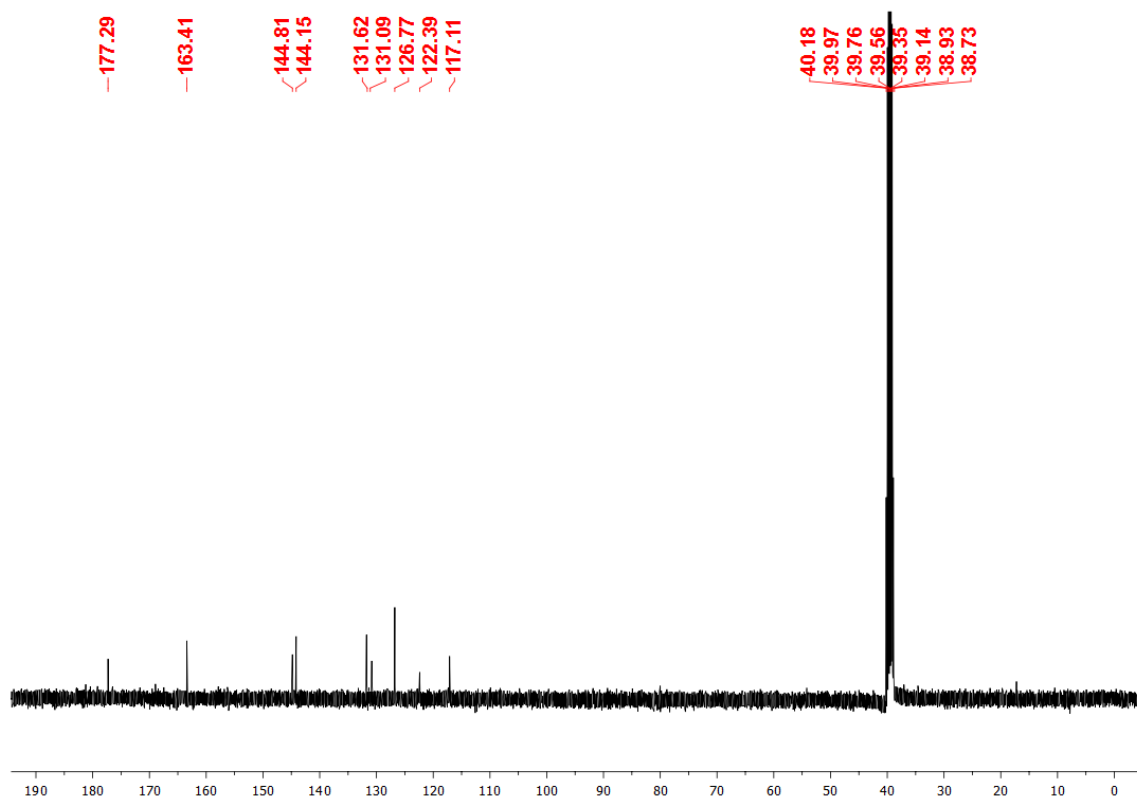
ESI Fig.10. Job's plot of L₂ with CN⁻ and AcO⁻ ion.



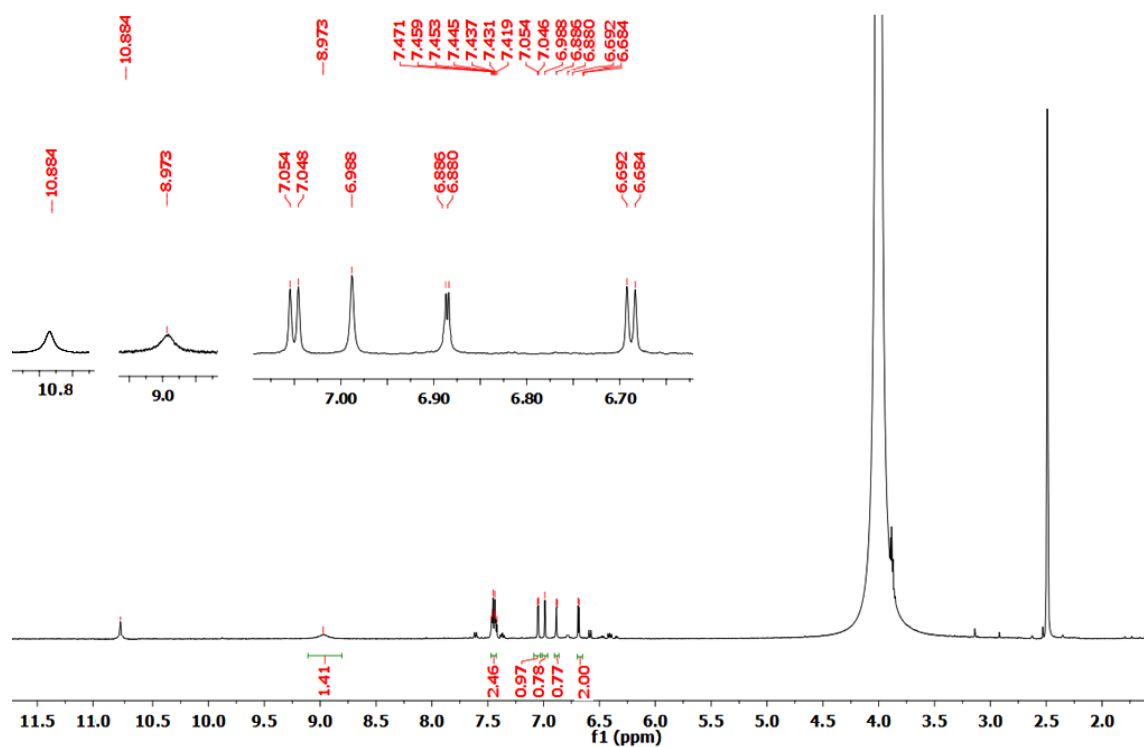
ESI Fig.1. UV-Vis spectra of L₁ and L₂.



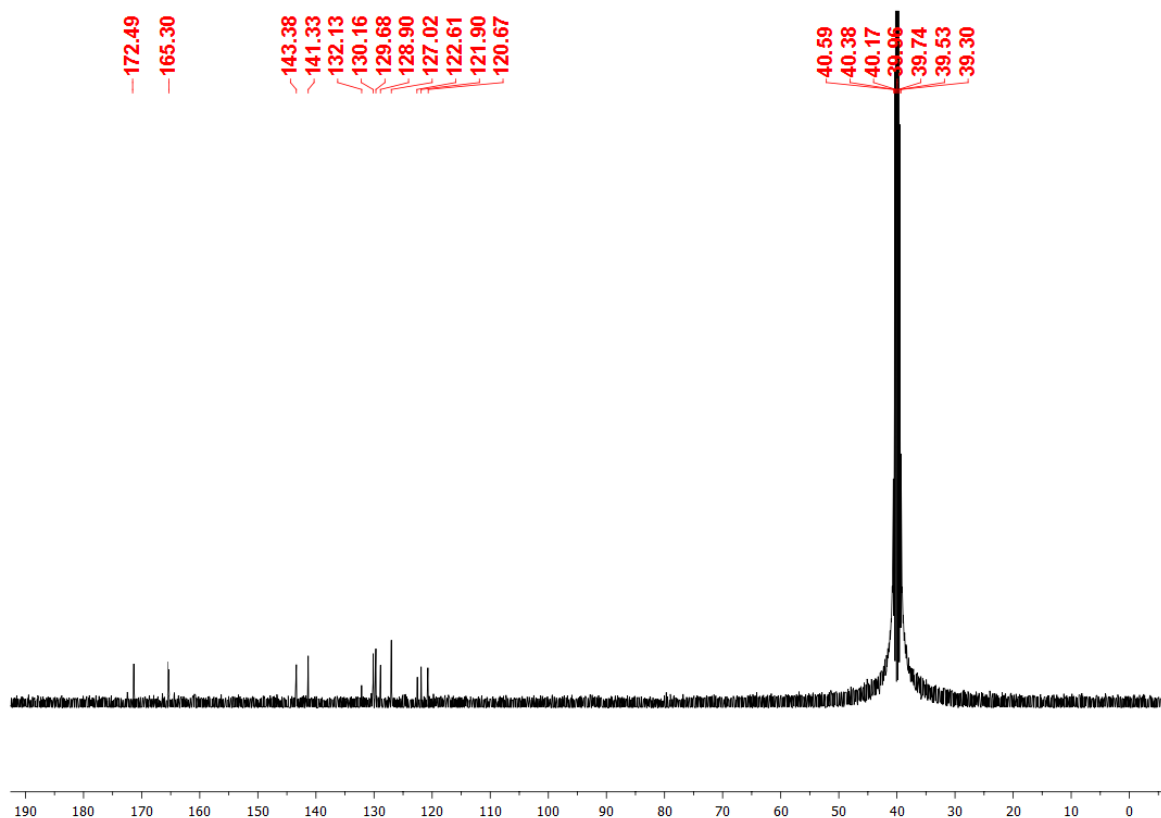
ESI Fig2. ¹H-NMR spectra of L₁.



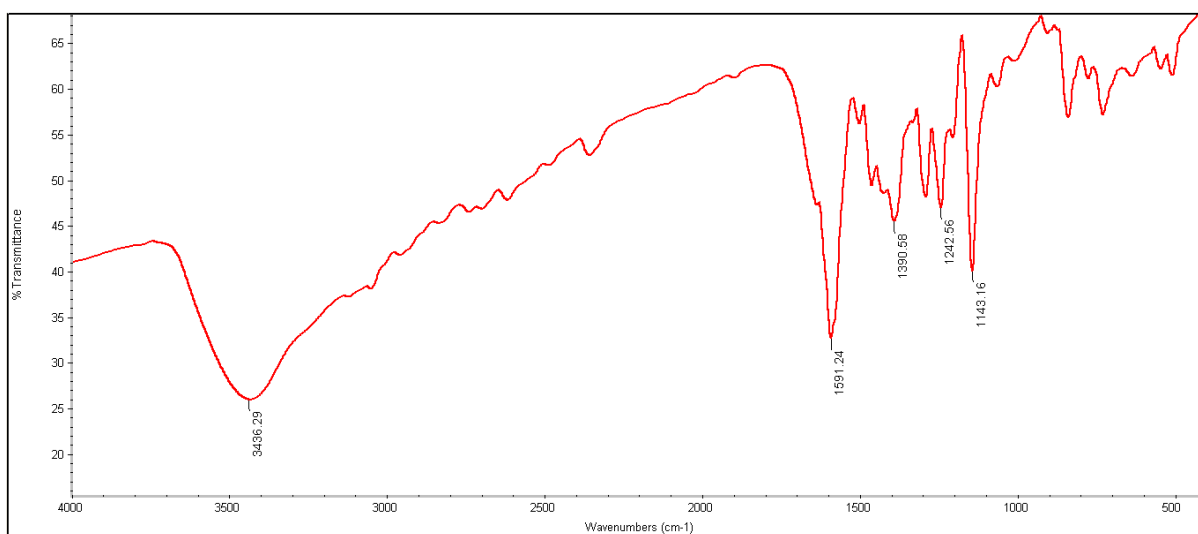
ESI Fig.3. ^{13}C -NMR spectra of L₁.



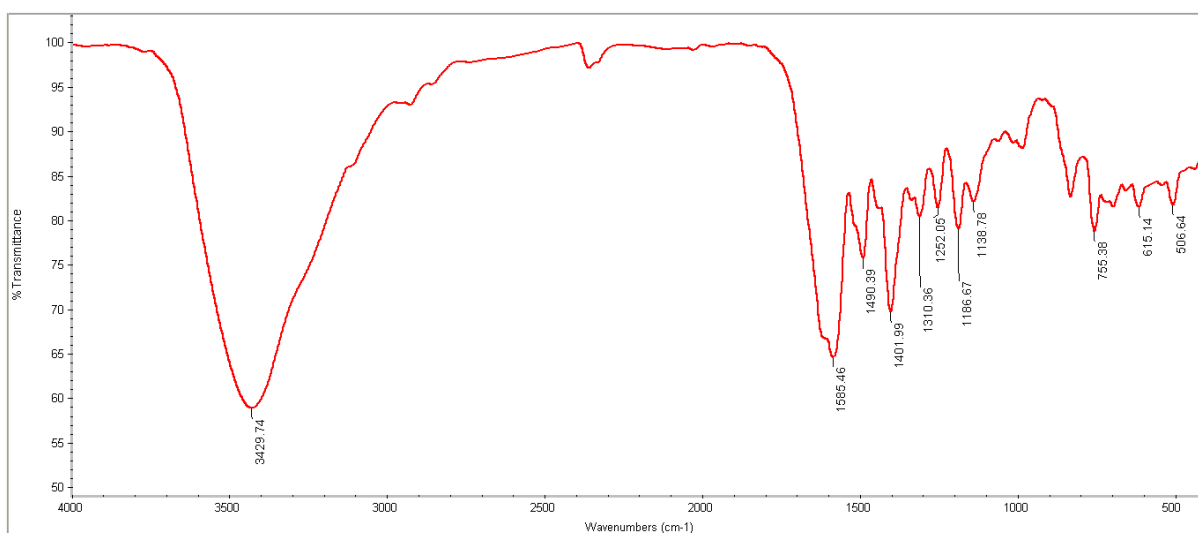
ESI Fig.4. ^1H -NMR spectra of L₂.



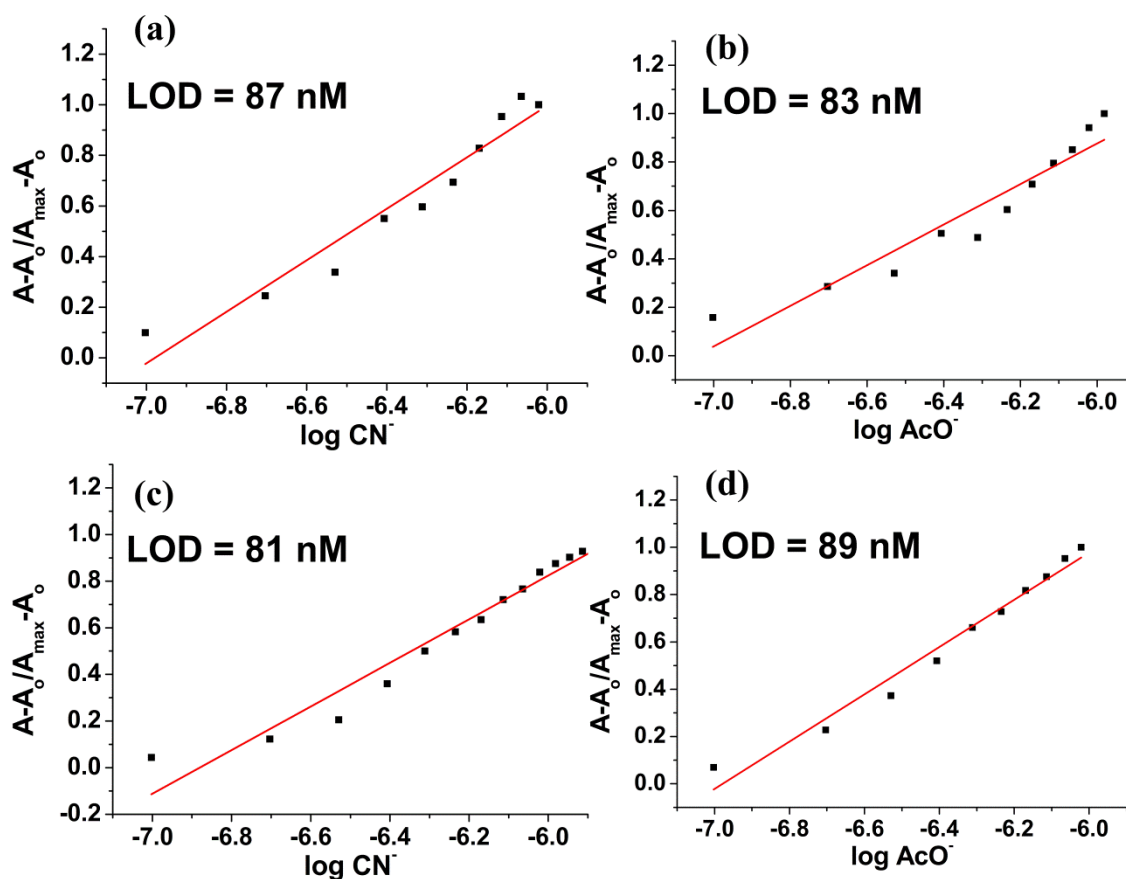
ESI Fig.5. ^{13}C -NMR spectra of L₂.



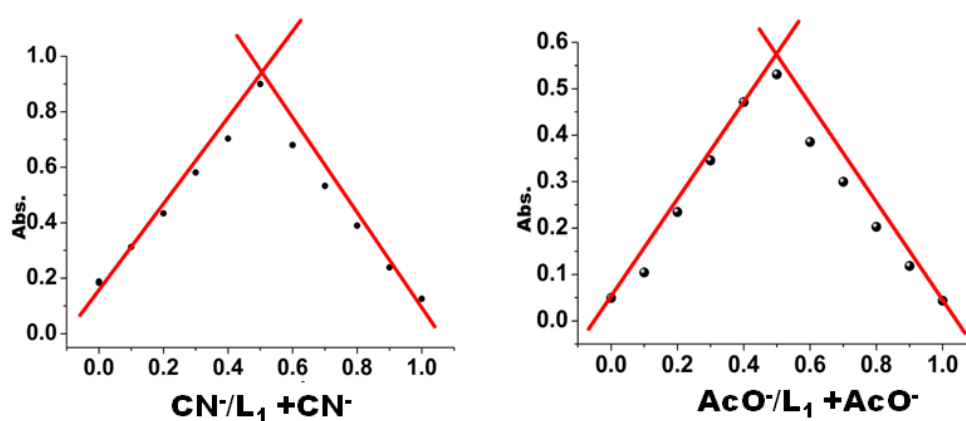
ESI Fig.6. IR spectra of L₁.



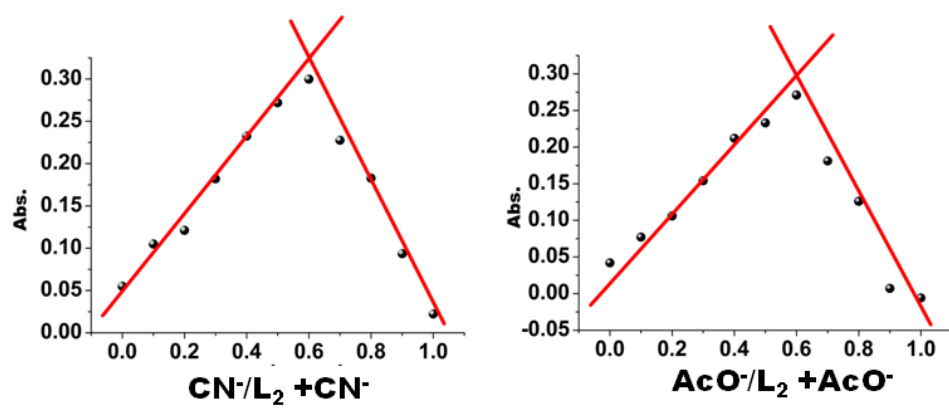
ESI Fig.7. IR spectra of L₂.



ESI Fig.8. A plot of $(A - A_{\min}) / (A_{\max} - A_{\min})$ vs $\log A^-$ to calculate LOD of L_1 with (a) CN^- ion (b) AcO^- ion. A plot of $(A - A_{\min}) / (A_{\max} - A_{\min})$ vs $\log A^-$ to calculate LOD of L_2 with (c) CN^- ion (d) AcO^- ion.



ESI Fig.9. Job's plot of L_1 with CN^- and AcO^- ion.



ESI Fig.10. Job's plot of L_2 with CN^- and AcO^- ion.