

Supplementary material

**Antimicrobial activity of aroylhydrazone-based oxido vanadium(V)
complexes: *in-vitro* and *in silico* studies**

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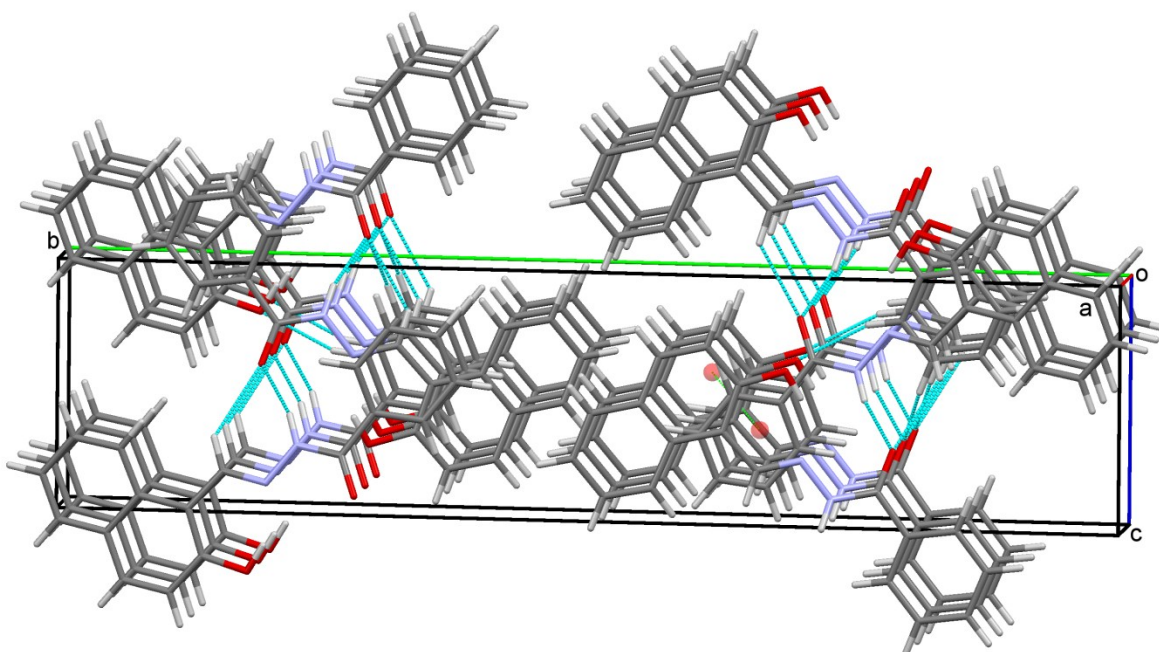


Fig. S1. Overall packing for **HL** viewed along the *a* axis direction. Hydrogen bonds are drawn as dashed blue lines and a representative $\pi \dots \pi$ contact is shown as a dotted green line. Representative ring centroids are shown as red spheres.

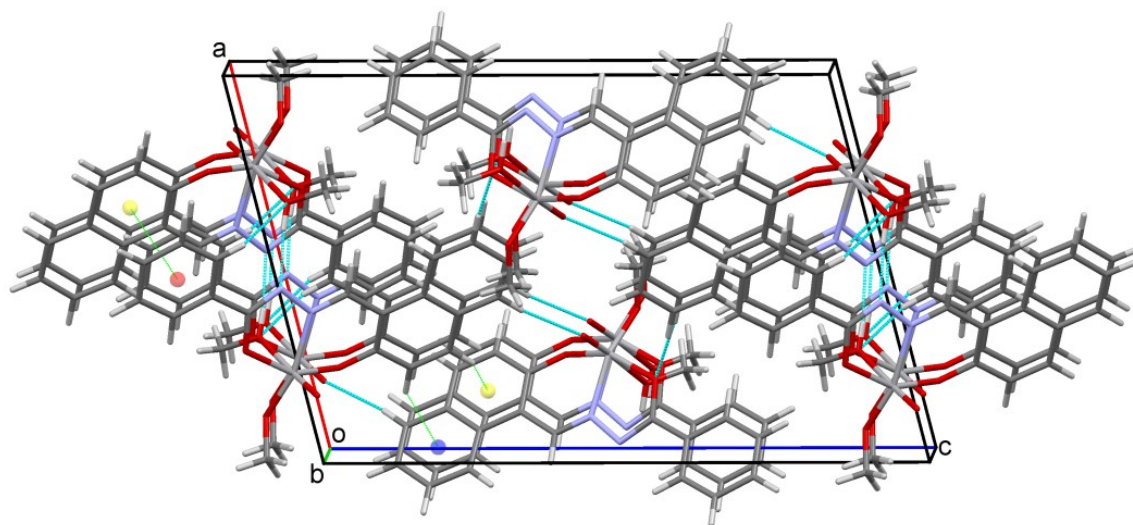


Fig. S2. Overall packing for [VO(L)(MeOH)(OMe)] viewed along the *b* axis direction. Hydrogen bonds are drawn as dashed blue lines and representative $\pi \dots \pi$ and C—H... π contacts are shown as green dotted lines.

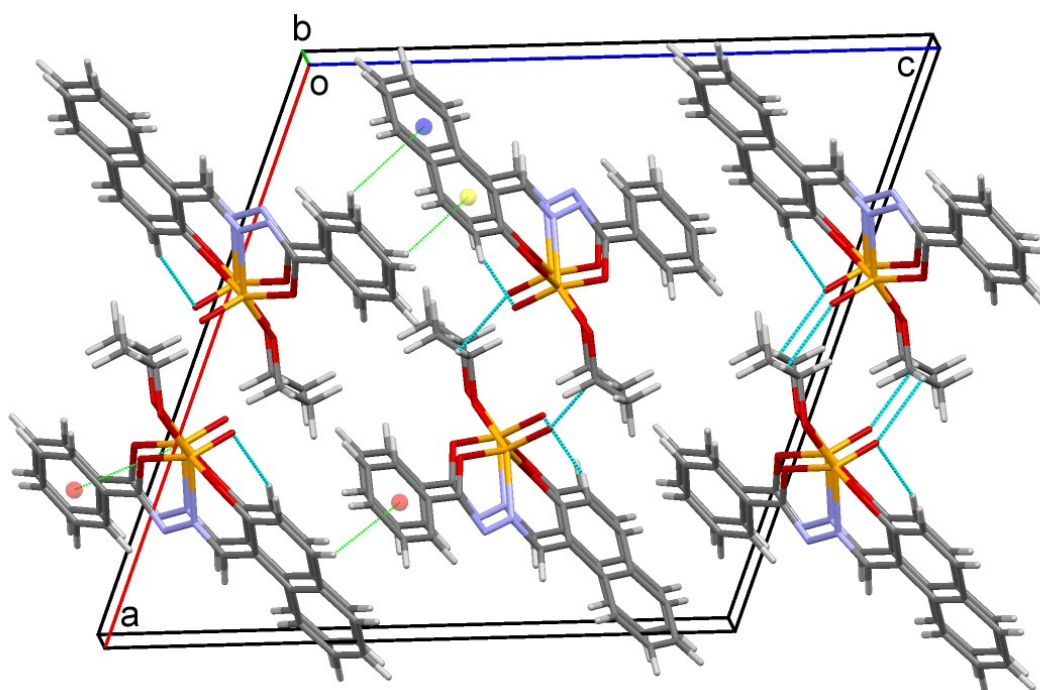


Fig. S3. Overall packing for [VO(L)(OEt)] viewed along the *b* axis direction. Hydrogen bonds are drawn as dashed blue lines and representative C—H... π and V... π contacts are shown as dotted green lines. Representative ring centroids are shown as coloured spheres.

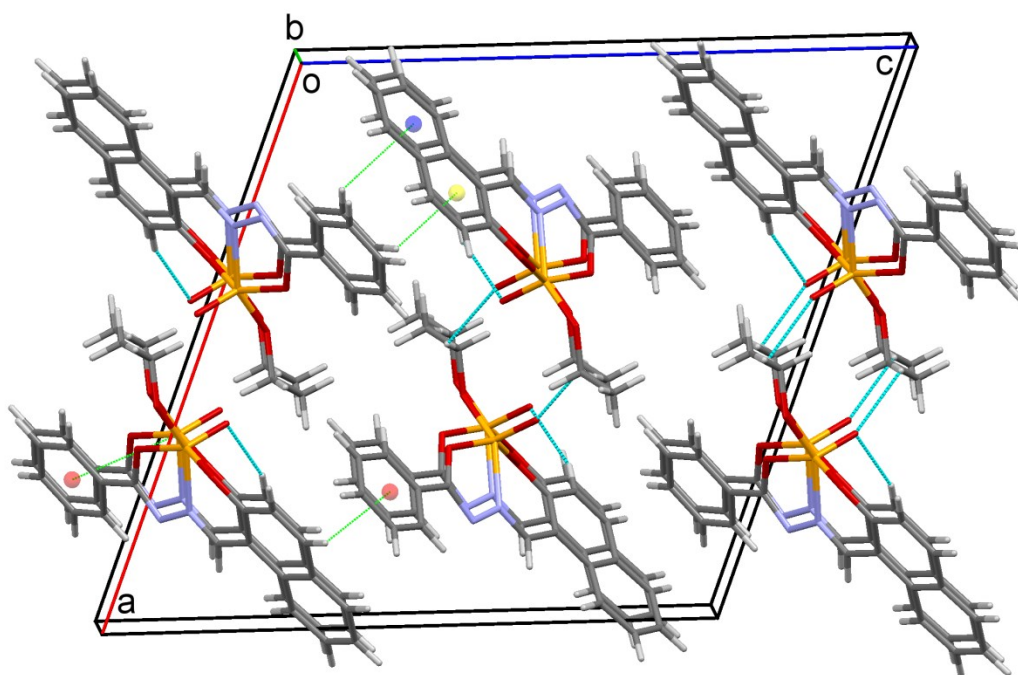


Fig. S4. Overall packing for [VO(L)(OPr)] viewed along the *b* axis direction. Hydrogen bonds are drawn as dashed blue lines and representative C—H... π and V... π contacts are shown as dotted green lines. Representative ring centroids are shown as coloured spheres.

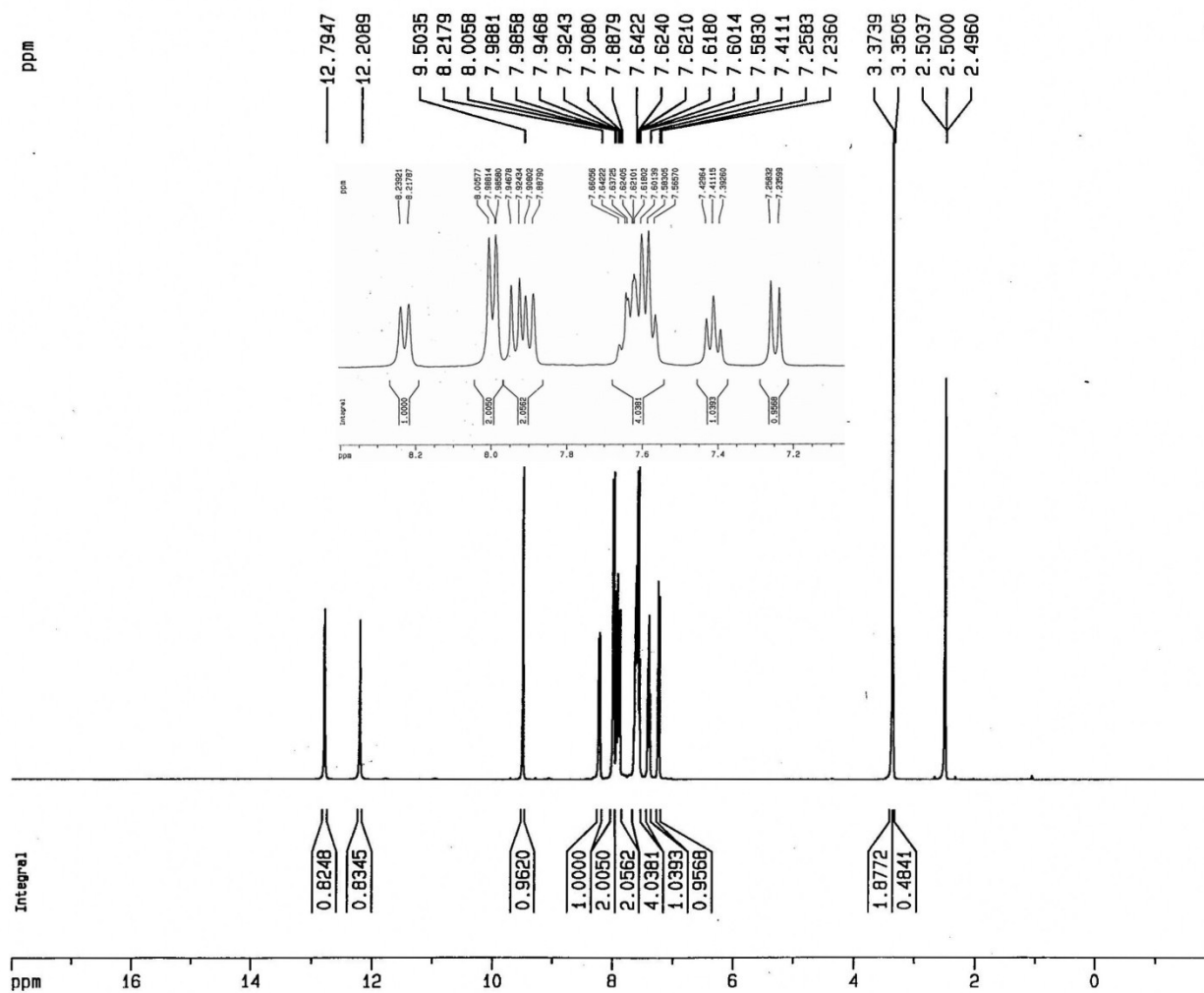


Fig. S5. ¹H NMR spectrum of HL.

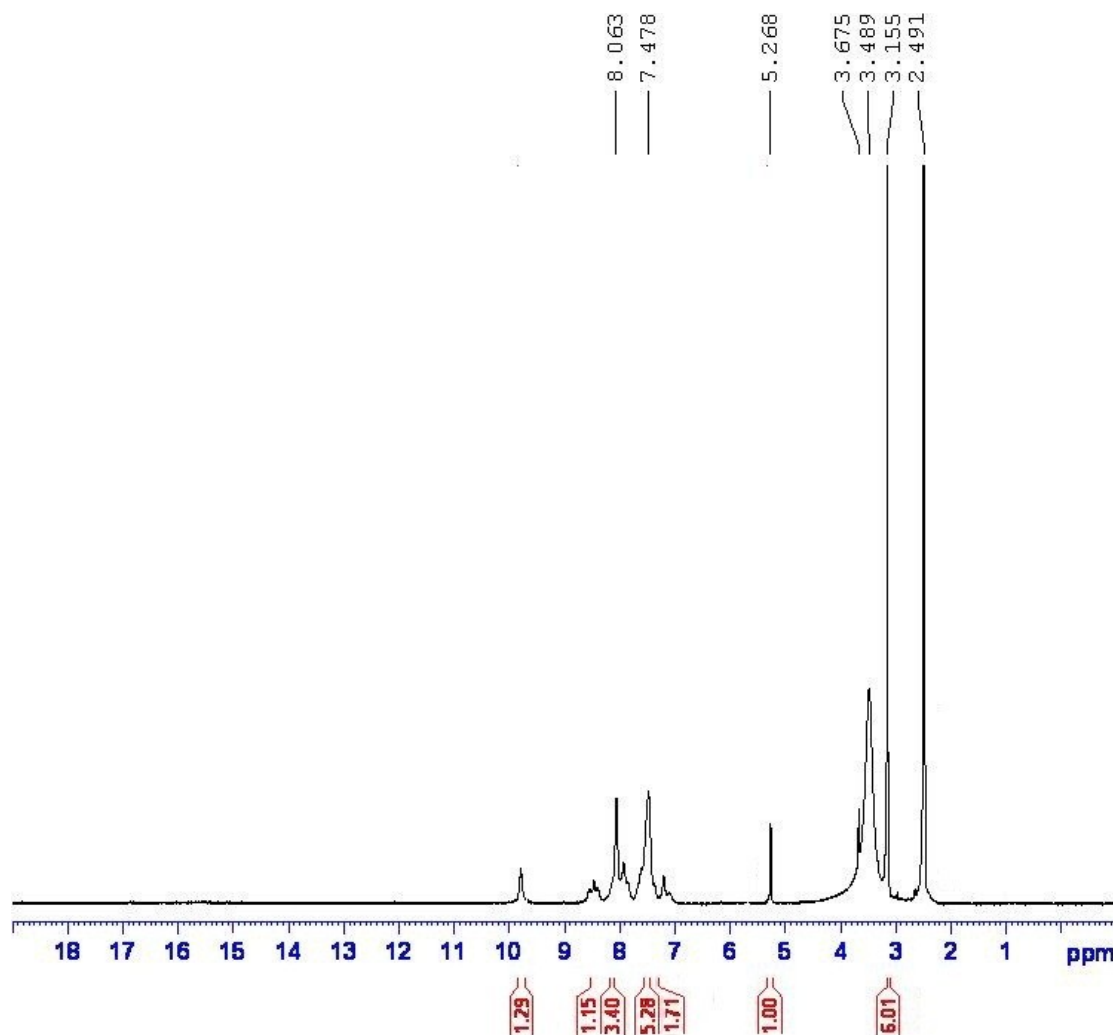


Fig. S6. ¹H NMR spectrum of [VO(L)(MeOH)(OMe)].

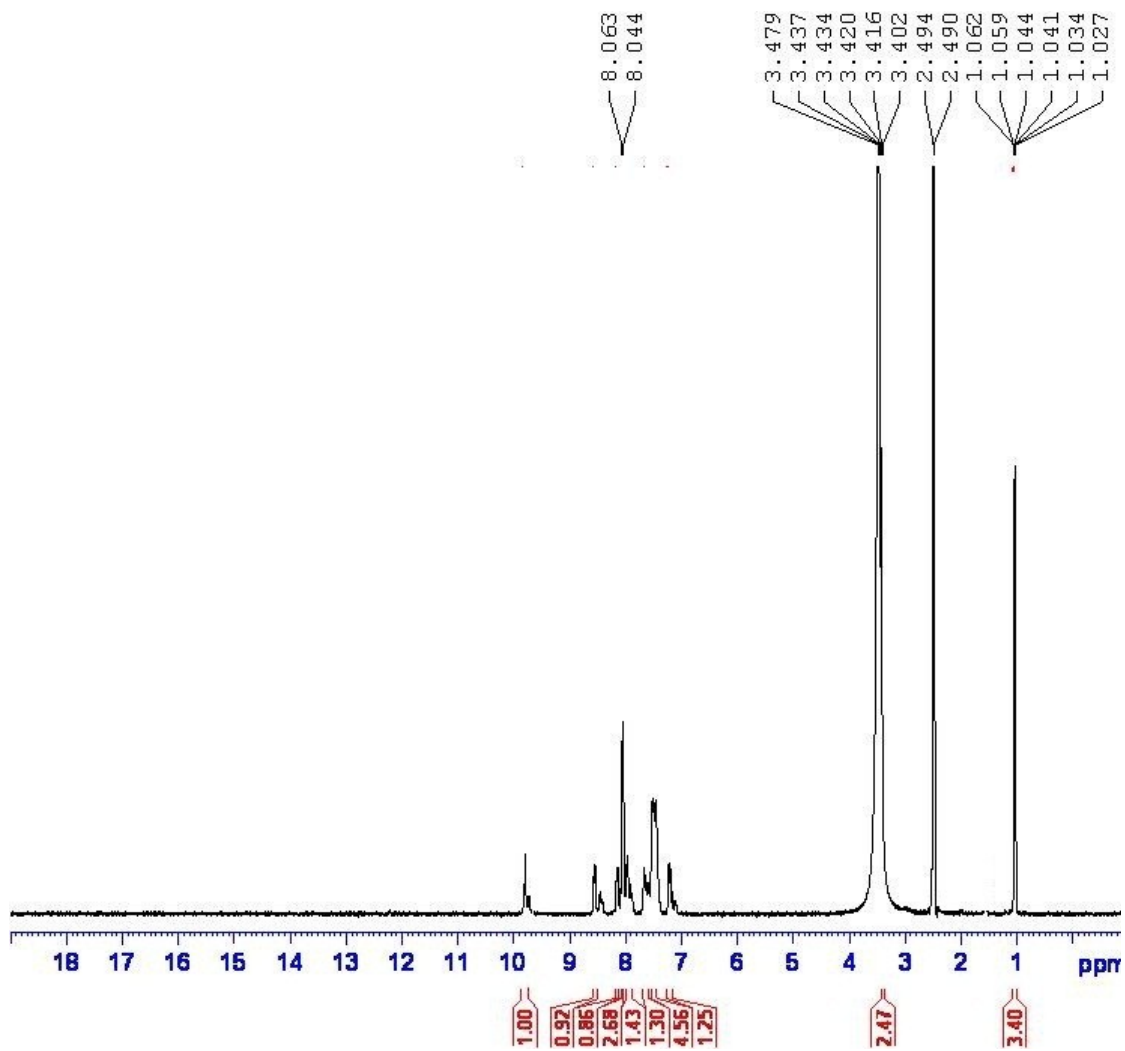


Fig. S7. ¹H NMR spectrum of [VO(L)(OEt)].

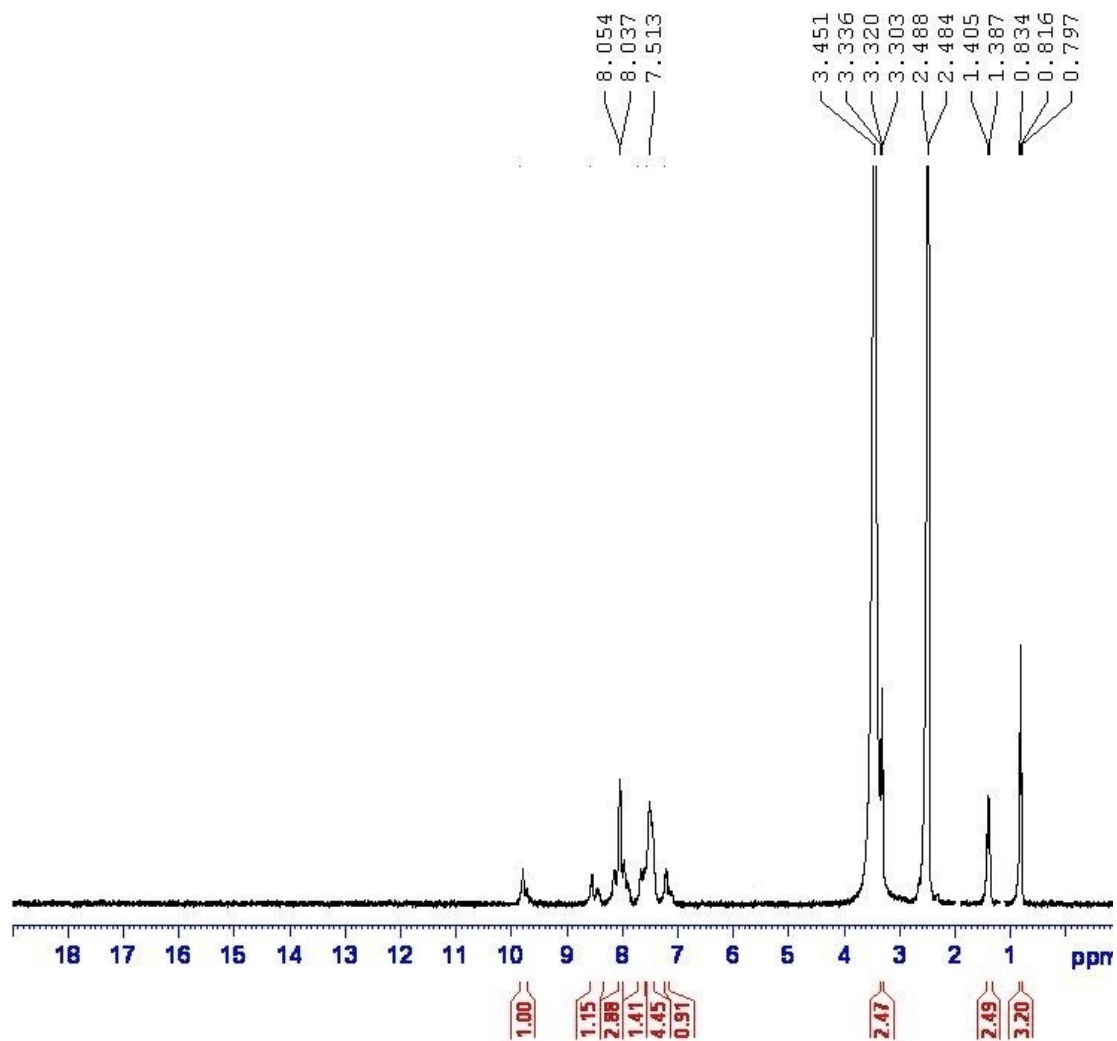


Fig. S8. ^1H NMR spectrum of $[\text{VO}(\text{L})(\text{OPr})]$.

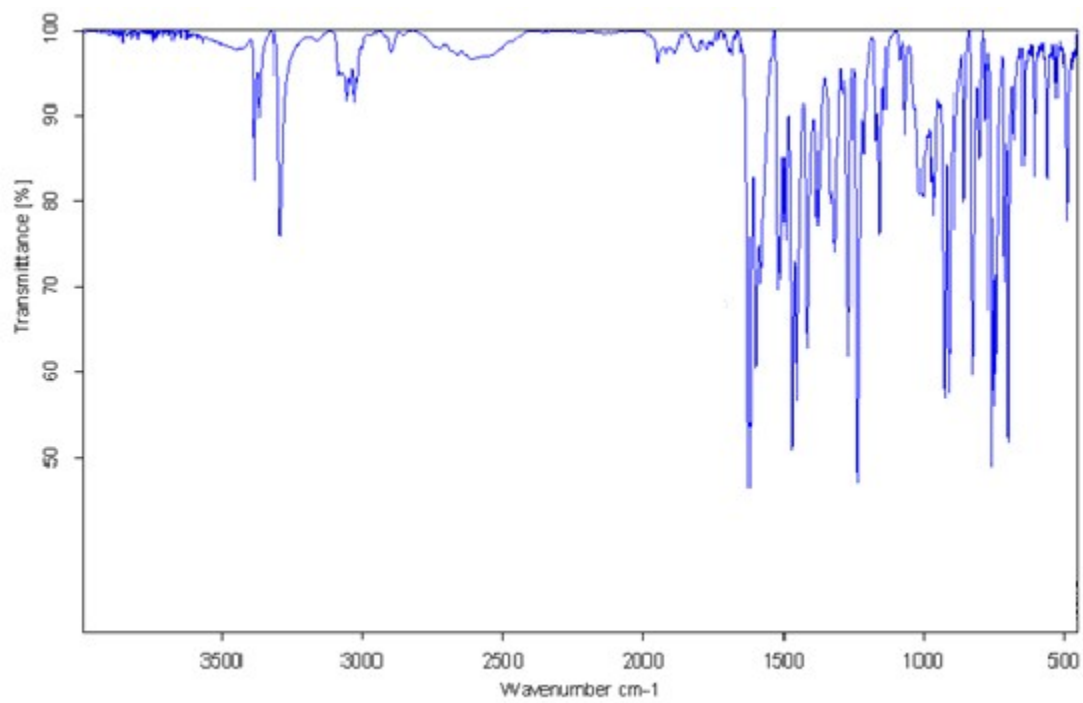


Fig. S9. FT-IR spectrum of [H₂L].

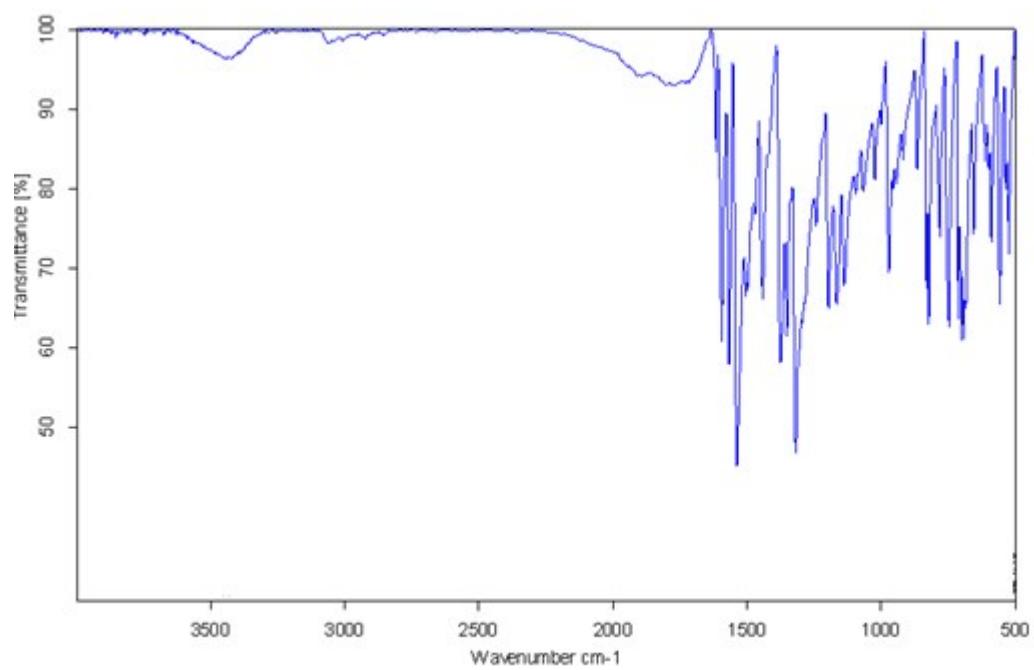


Fig. S10. FT-IR spectrum of [VO(L)(MeOH)(OMe)].

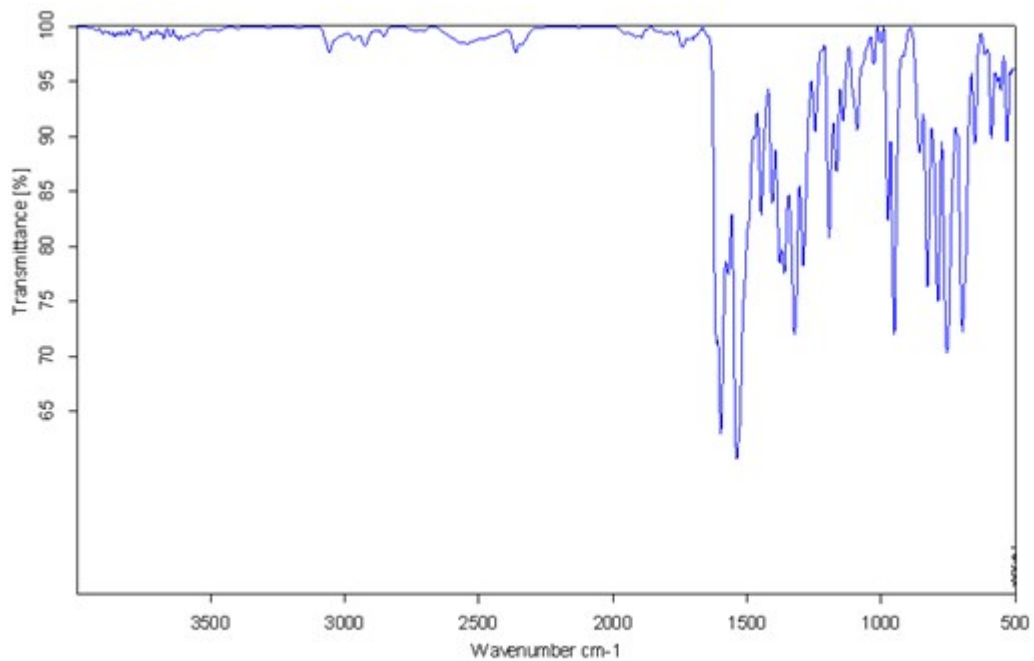


Fig. S11. FT-IR spectrum of [VO(L)(OEt)].

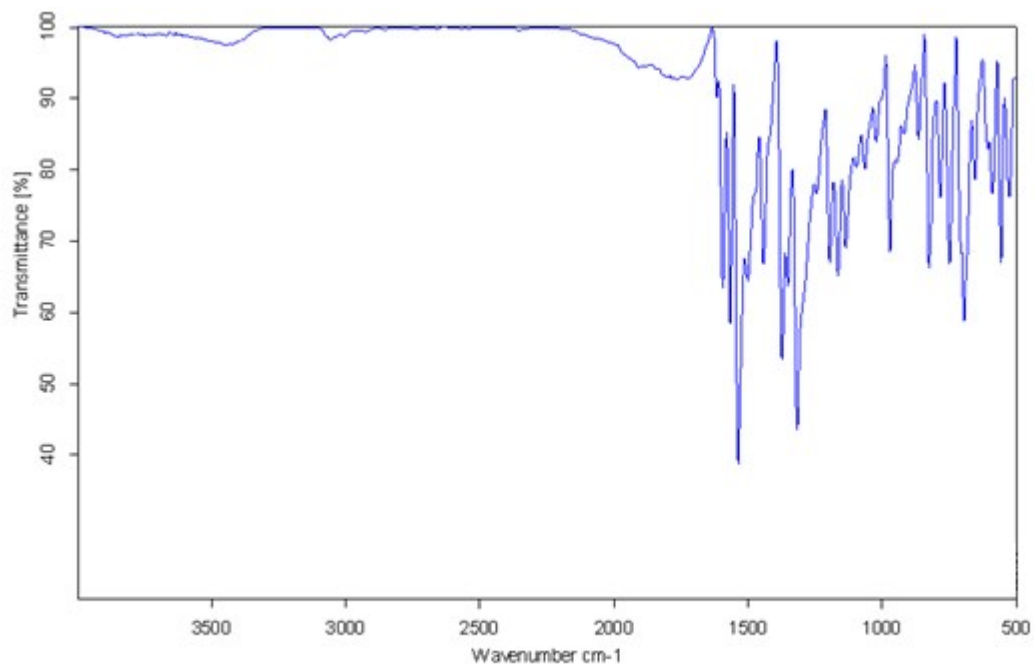


Fig. S12. FT-IR spectrum of [VO(L)(OPr)].