

Supplementary Information (SI)

Effect of the solvent on the crystallographic and magnetic properties of rhenium(IV) complexes based on 2,2'-bipyrimidine ligand

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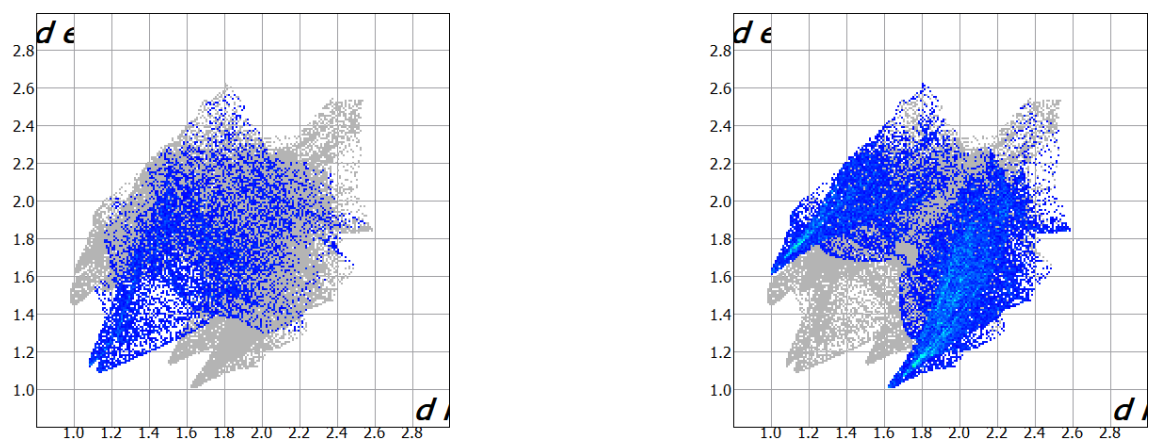


Figure S1. Fingerprint plots for the $[\text{ReCl}_4(\text{bpym})]$ complex in **1** highlighting the region assigned to the $\text{N}\cdots\text{H}$ interactions (left) and to the $\text{Cl}\cdots\text{H}$ interactions (right).

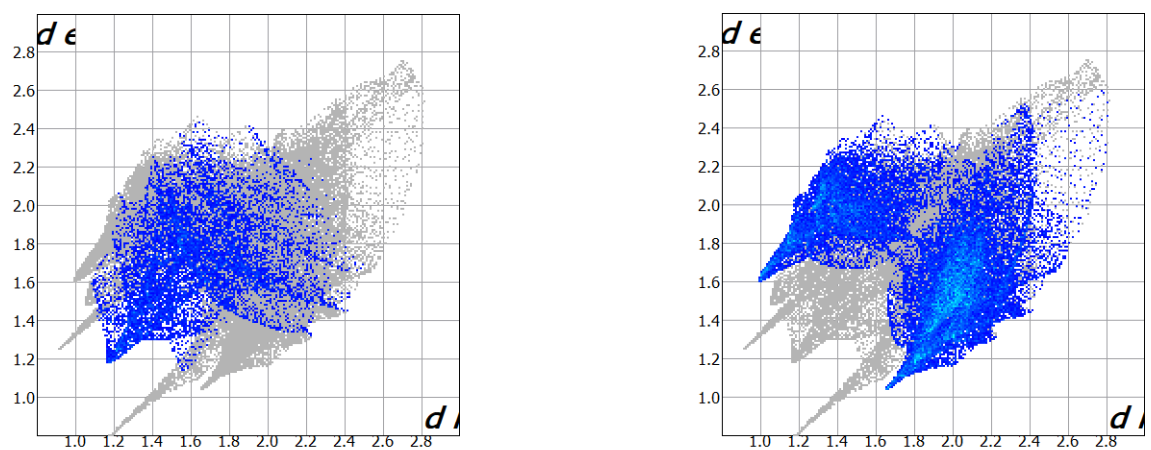


Figure S2. Fingerprint plots for the $[\text{ReCl}_4(\text{bpym})]$ complex in **2** highlighting the region assigned to the $\text{O}\cdots\text{H}$ interactions (left) and to the $\text{Cl}\cdots\text{H}$ interactions (right).

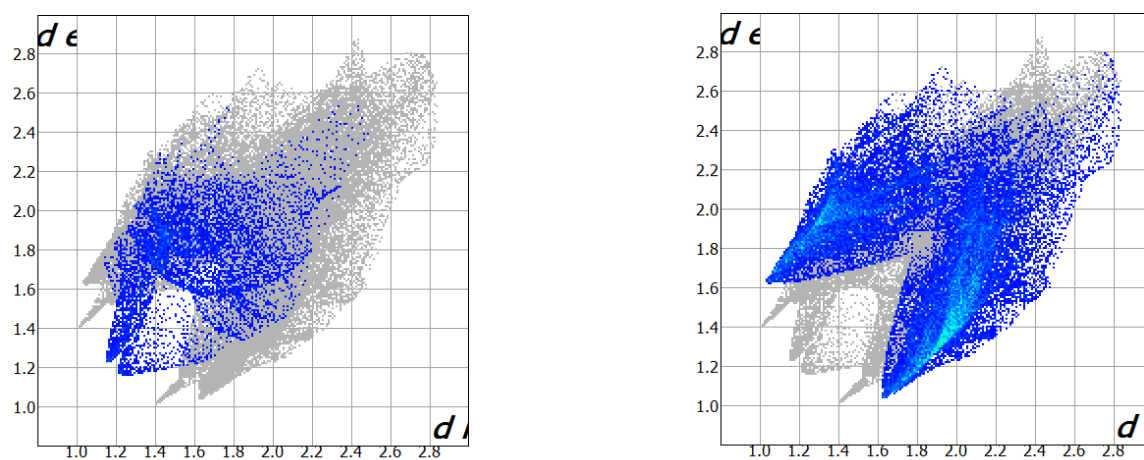


Figure S3. Fingerprint plots for the non-solvated $[\text{ReCl}_4(\text{bpym})]$ complex highlighting the region assigned to the $\text{N}\cdots\text{H}$ interactions (left) and to the $\text{Cl}\cdots\text{H}$ interactions (right).

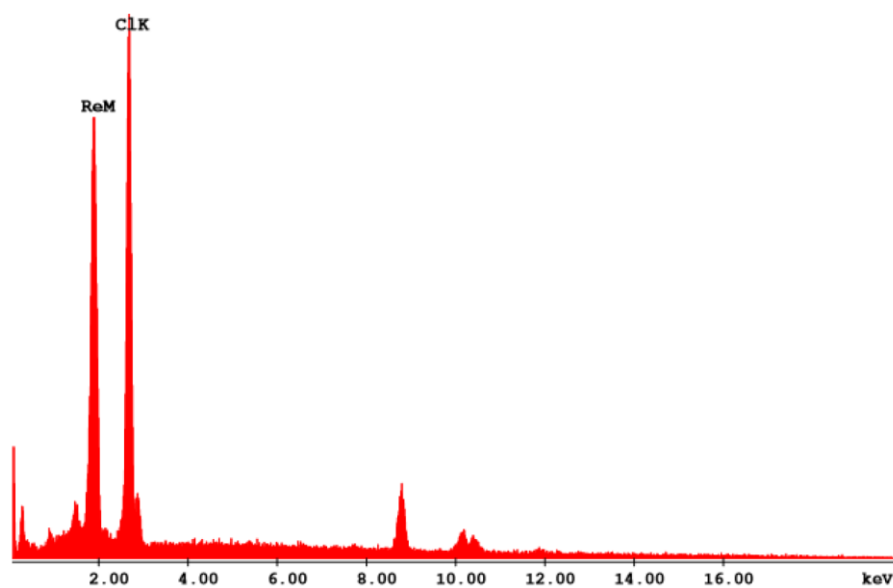


Figure S4. SEM-EDX spectrum for compound **1**.

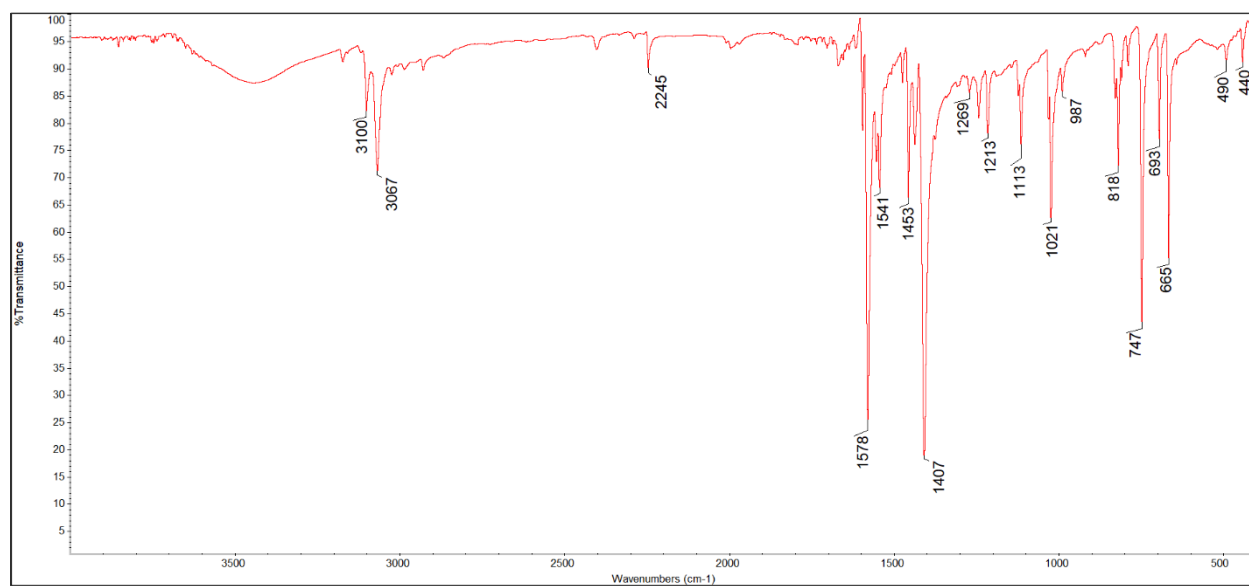


Figure S5. Infrared spectrum (FT-IR) for compound **1**.

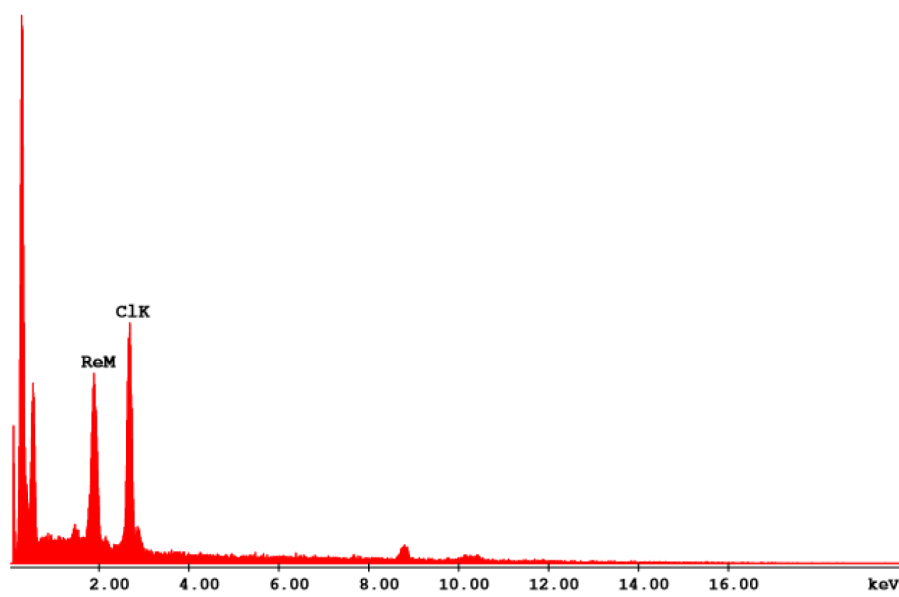


Figure S6. SEM-EDX spectrum for compound **2**.

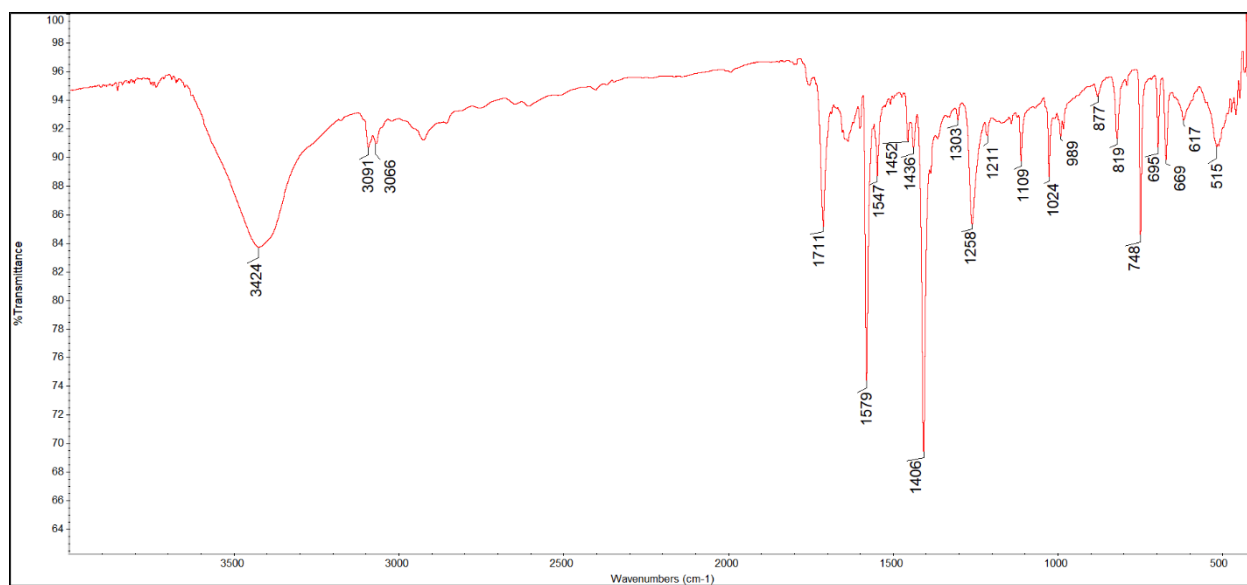


Figure S7. Infrared spectrum (FT-IR) for compound **2**.