

Supplementary Materials

Anion Coordination into Ligand Clefts

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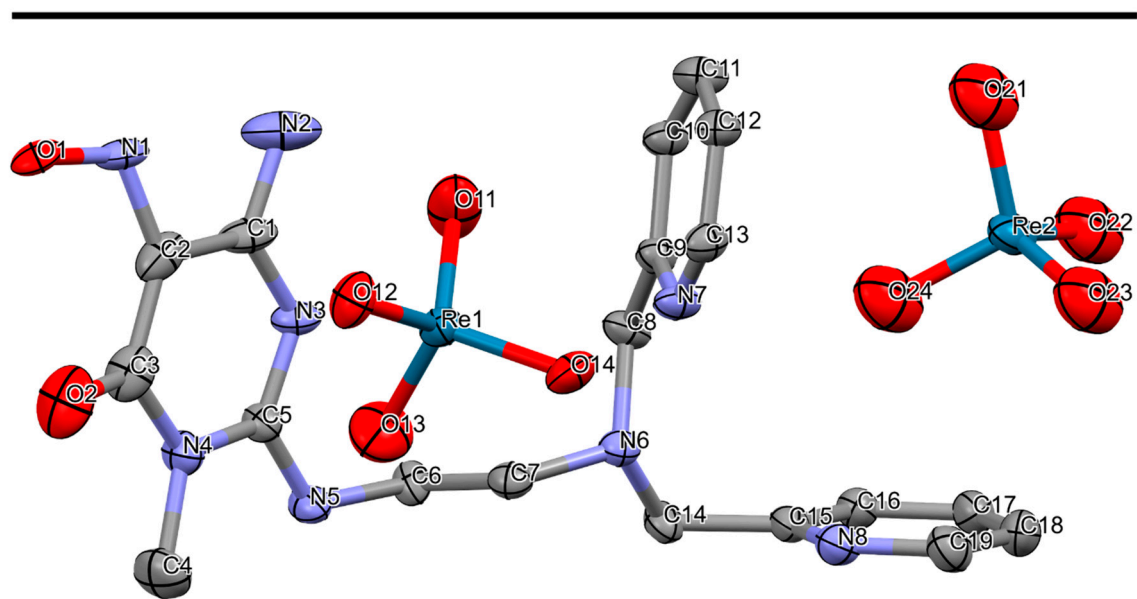
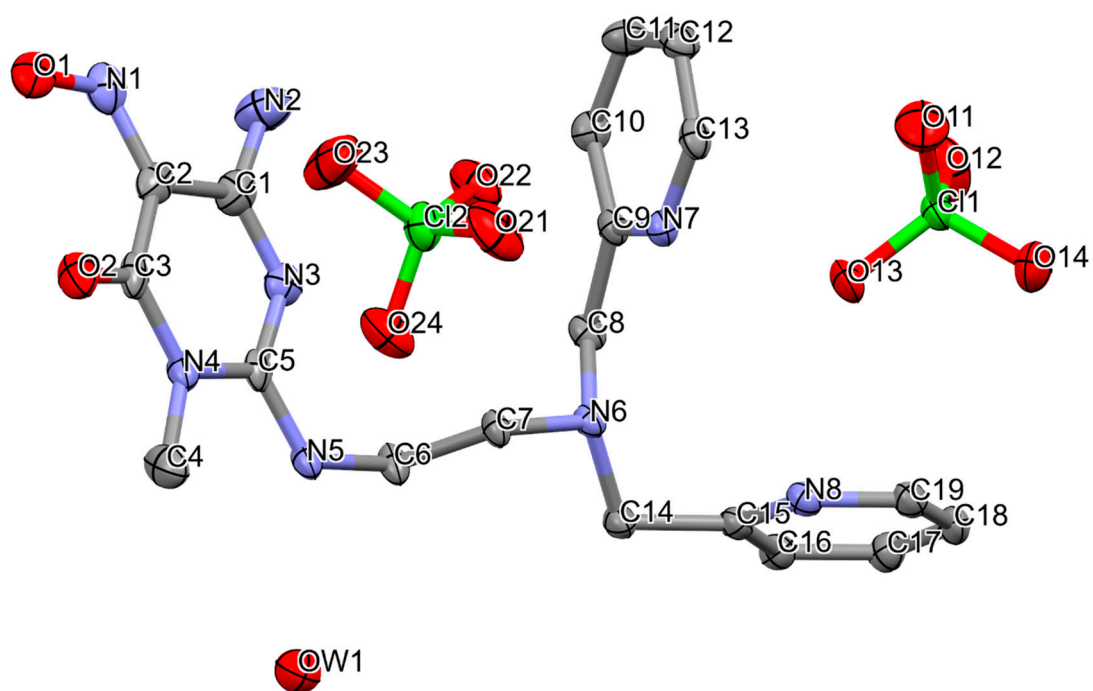


Figure S1. Labelling schemes for anion complex structures.

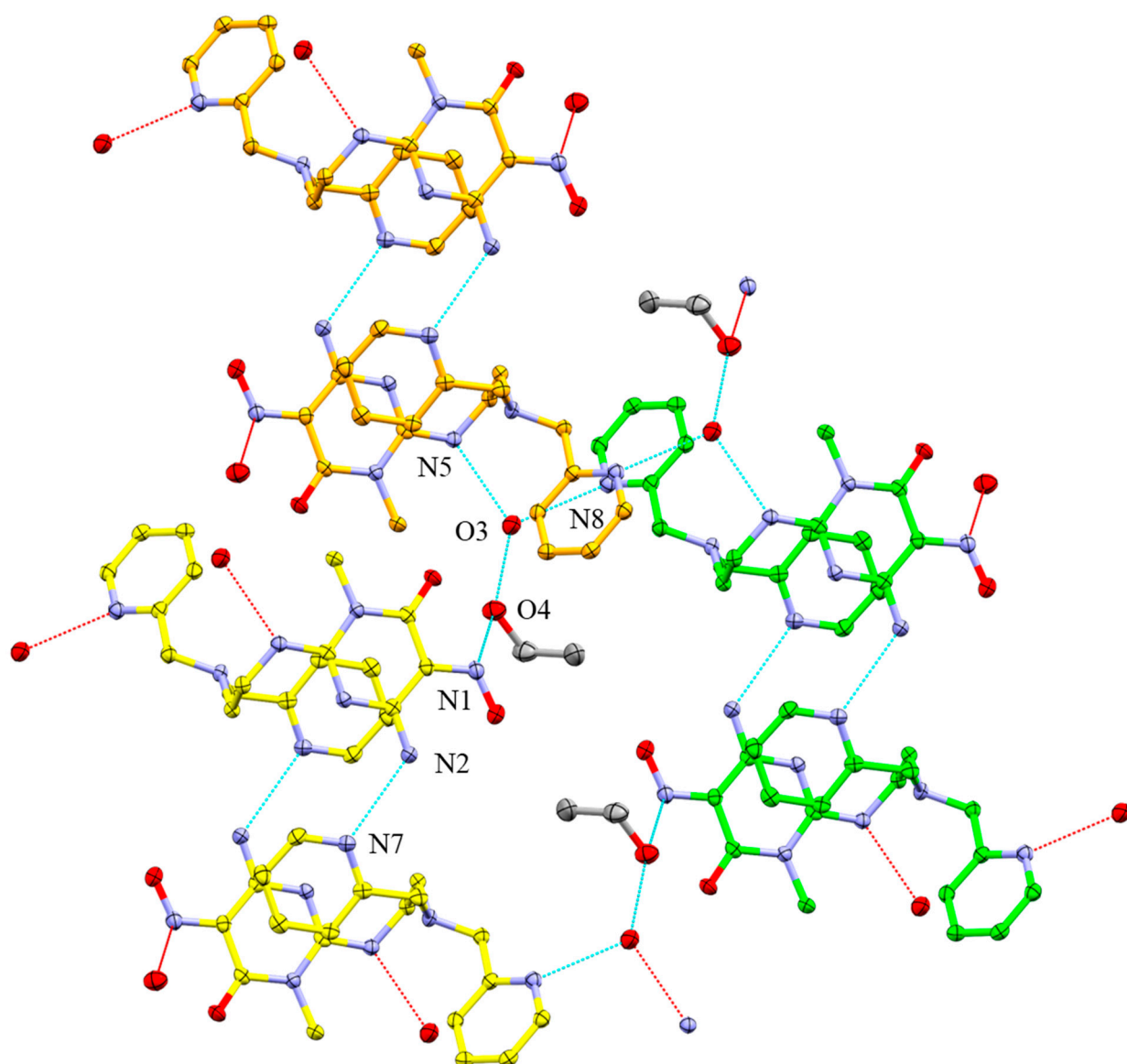


Figure S2. Pairs of hydrogen bonded ligands (same colour) joined in a H-bond network via cocrystallized solvent molecules.

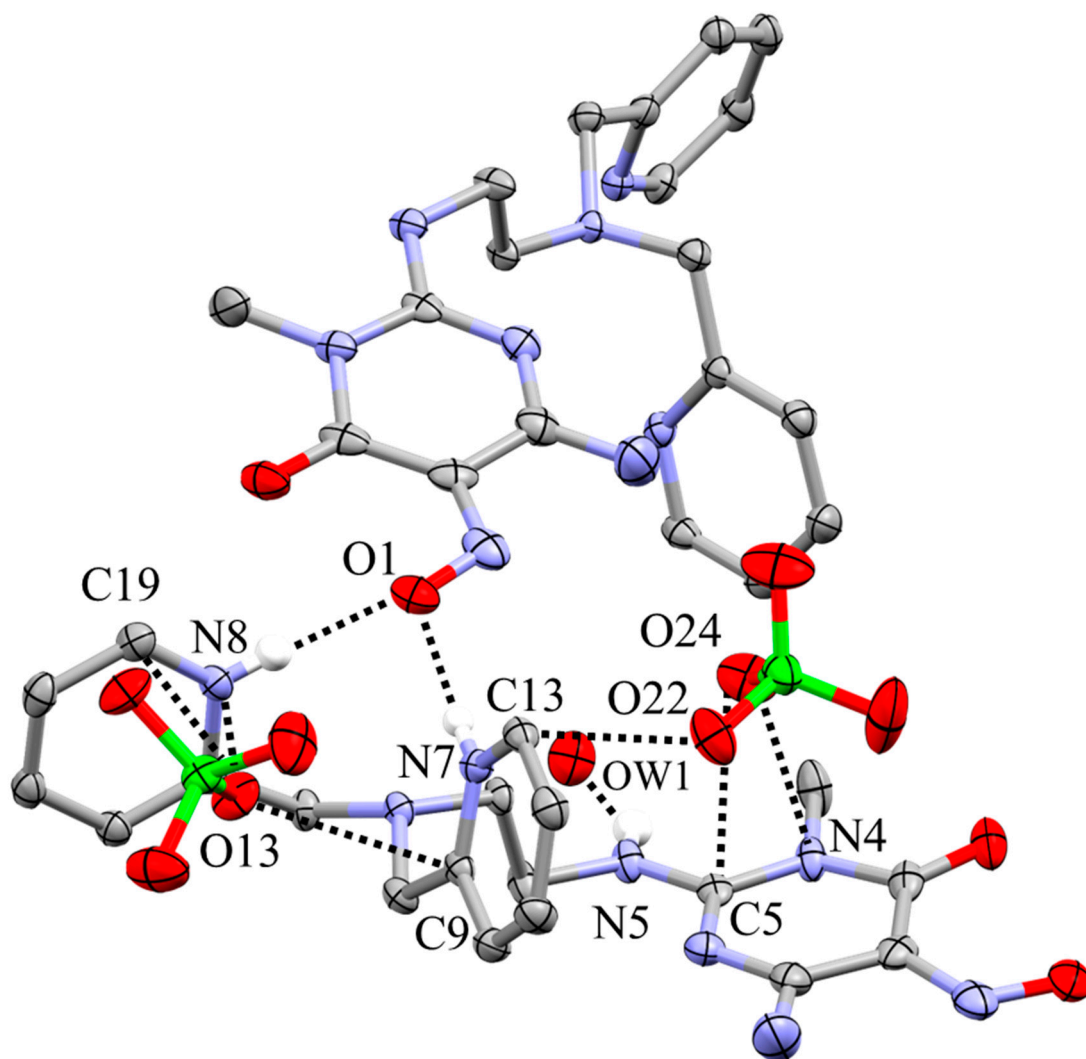


Figure S3. Selected short contacts (H-bonds and anion- π) in the perchlorate complex.

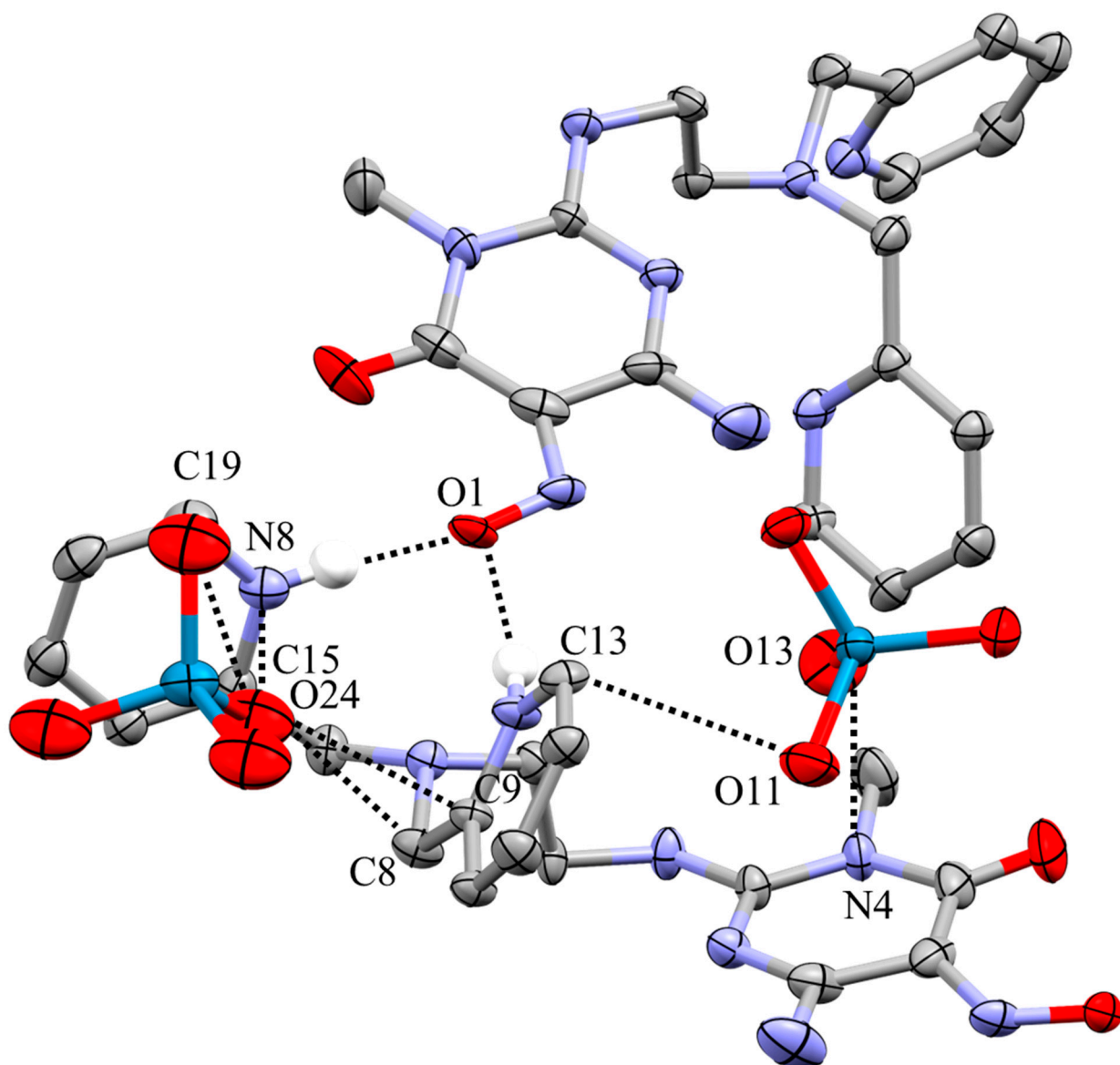


Figure S4. Selected short contacts (H-bonds and anion- π) in the perrhenate complex.

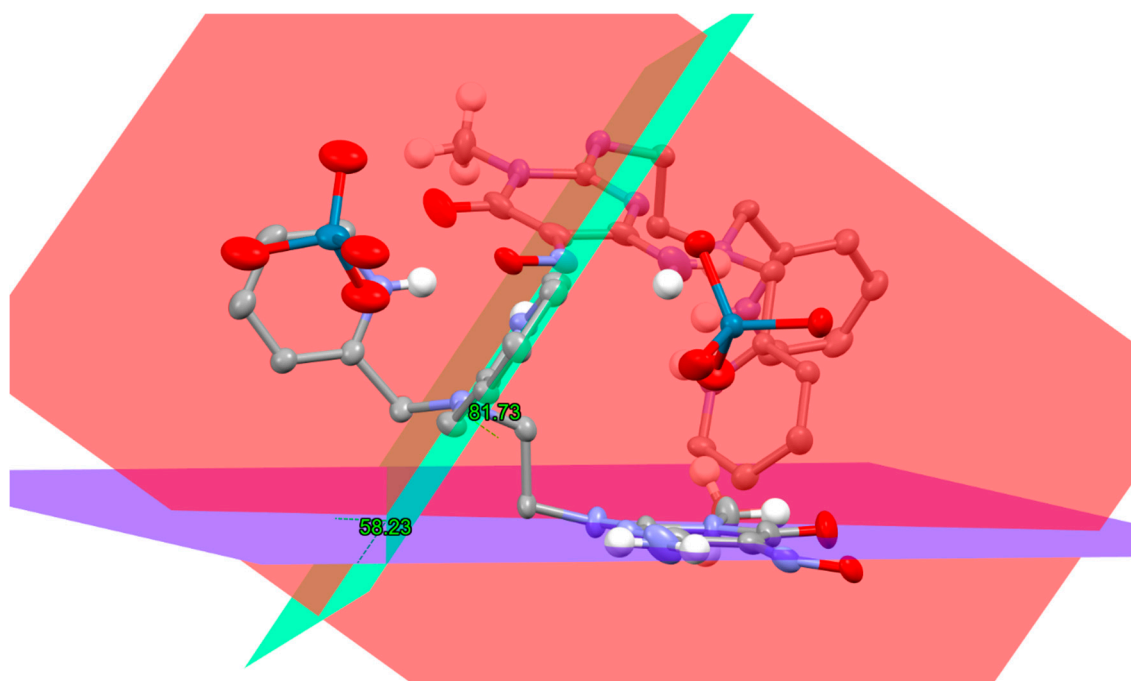
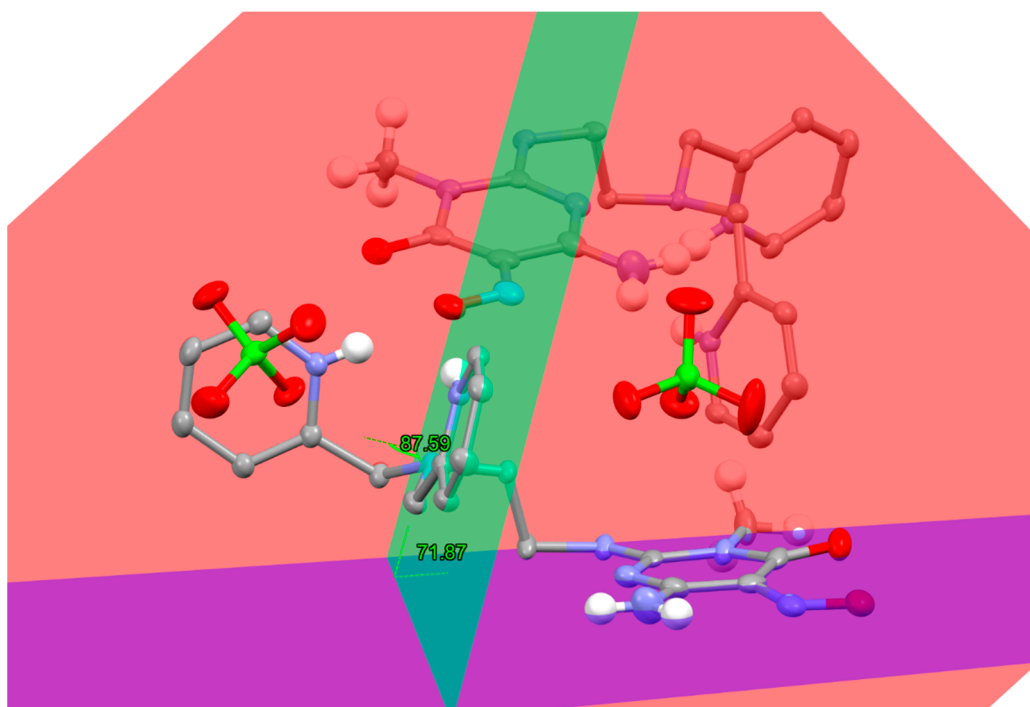


Figure S5. Details of the dihedral angles formed by the pyridine-pyridine-pyrimidine rings' sequence in the perchlorate and perrhenate salts.