Electronic Supplementary Information for Dalton Transactions

Supplementary Information

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Accompanying:

Structure and DNA cleavage properties of two copper(II) complexes of the pyridine-pyrazole-containing ligands mbpzbpy and Hmpzbpya.

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Figure S1. Representations of complex **1** showing the weak interactions between the copper(II) ions and two axial bromide anions. The Cu···Br separation amounts to 3.245 Å.

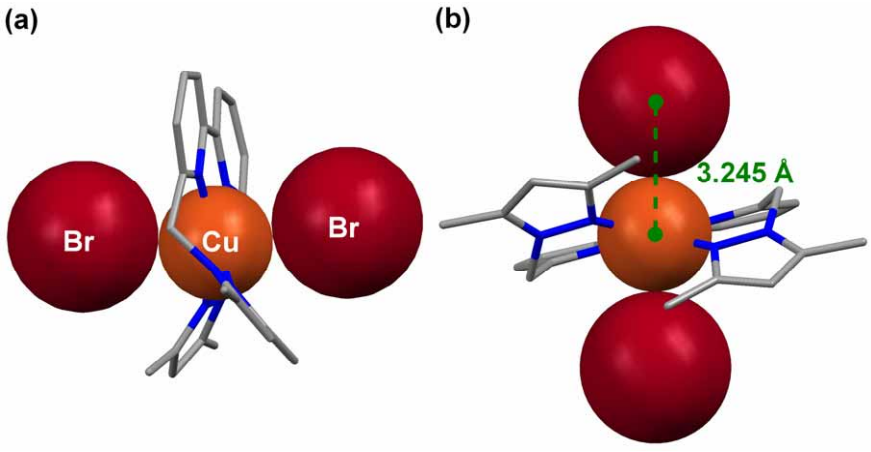

Figure S2. Crystal packing of complex **1** showing the hydrogen bonding network formed between water molecules and the bromide anions. Moderate H bonds ranging from 3.369 to 3.453 Å are realized between Br and O_{water}.

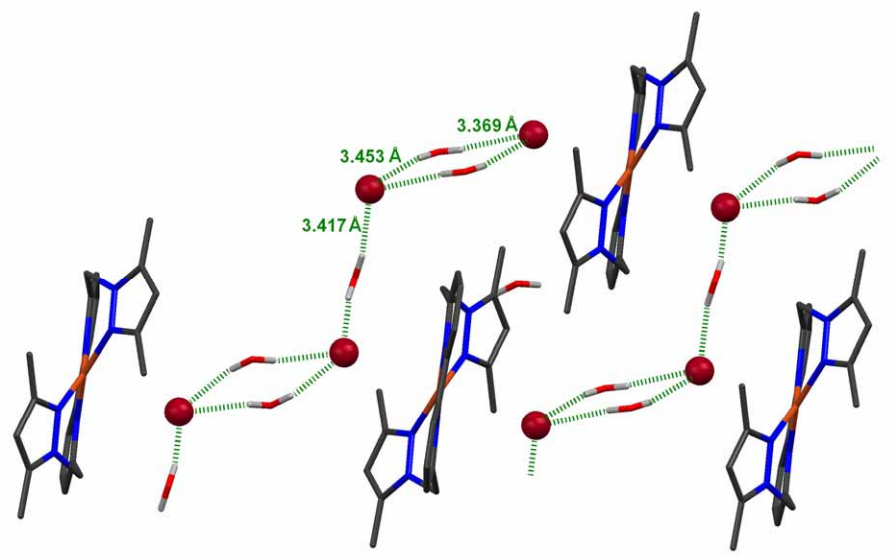

Figure S3. Perspective view showing the plane defined by the atoms N11, N21, and O18 for complex **2**. The pyrazole nitrogen N31 is clearly out of this plane (the deviation of N31 from this plane amounts to 33.41º.

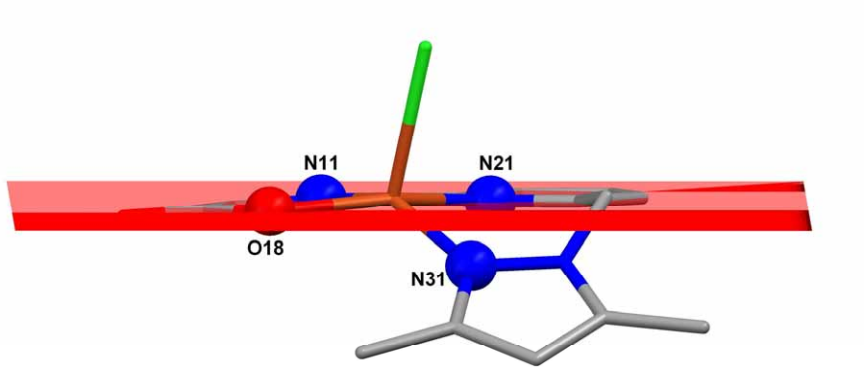

Figure S4. Crystal packing of complex **2** showing the strong hydrogen bonding interactions between methanol molecules and the carboxylato units of the ligand. O1−H1A···O19 = 2.715 Å. Only the H atoms involved in hydrogen bonds are shown for clarity.