

Supplementary Information

Pyridine-based complexes of copper(II) chloride and bromide: ligand conformation effects on crystal structure. Synthesis, structure and magnetic behavior of $\text{Cu}(2\text{-Cl-3-X'py})_2\text{X}_2$ [X, X' = Cl, Br]

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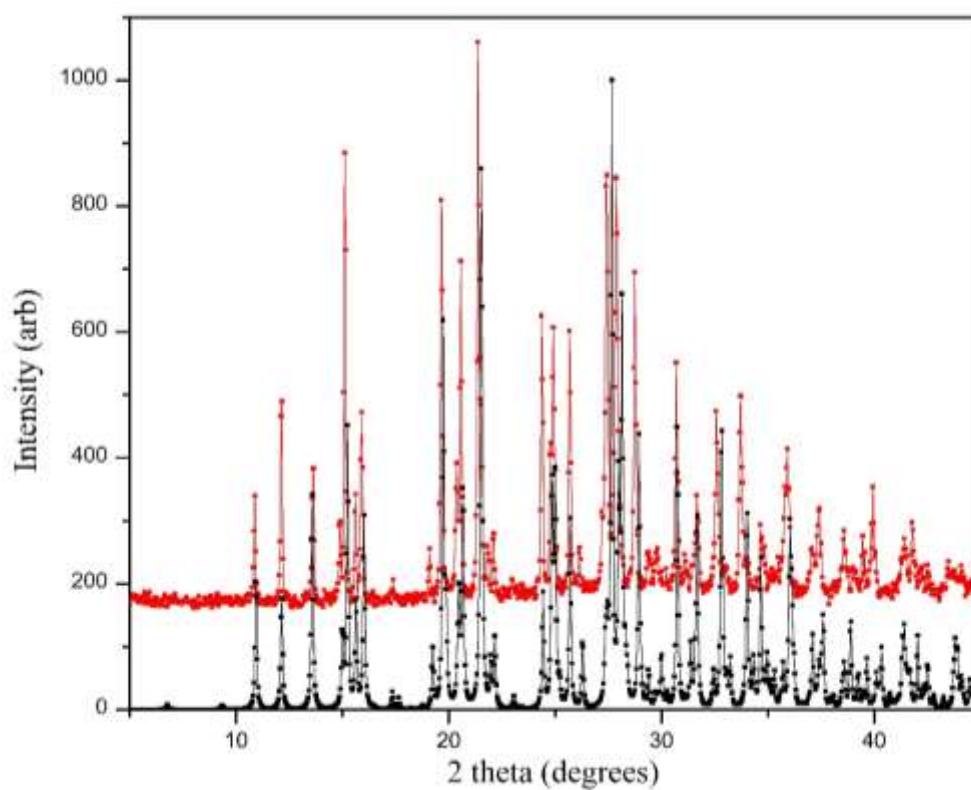


Figure S1. Comparison of experimental (red, upper) and theoretical (black, lower) powder patterns for **1**.

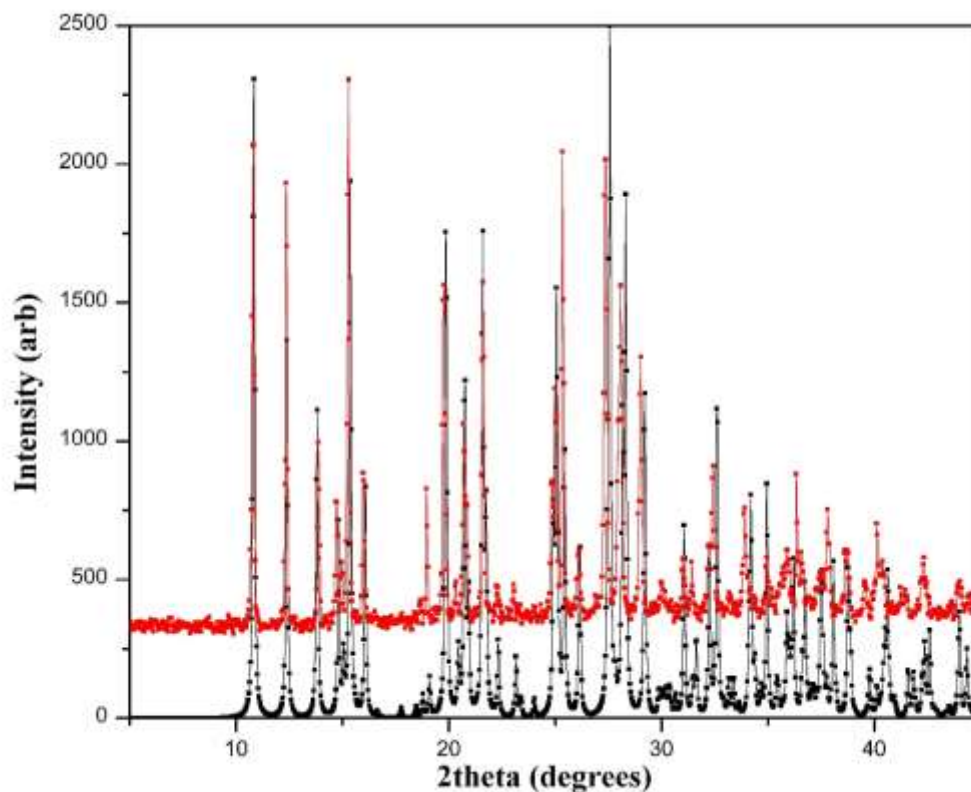


Figure S2. Comparison of experimental (red, upper) and theoretical (black, lower) powder patterns for **3**.

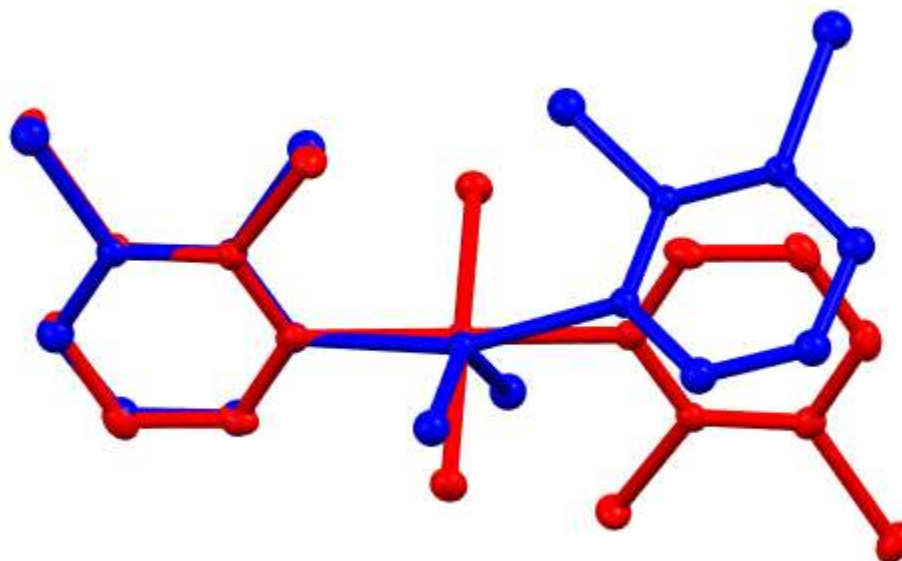


Figure S3. Superposition of the two crystallographically independent molecules of **1**. The figure was generated using Mercury Version 4.0.0 (C.F. Macrae, P.R. Edgington, P. McCabe, E. Pidcock, G. P. Shields, R. Taylor, M. Towler, J. van de Streek. *J. Appl. Cryst.*, **39**, 453 (2006)).