

Molecular metallocycles, acyclic metallodimers and 2D coordination polymers containing the twisted ligand bis(pyrimidin-2-ylthio)methane

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Supplementary material

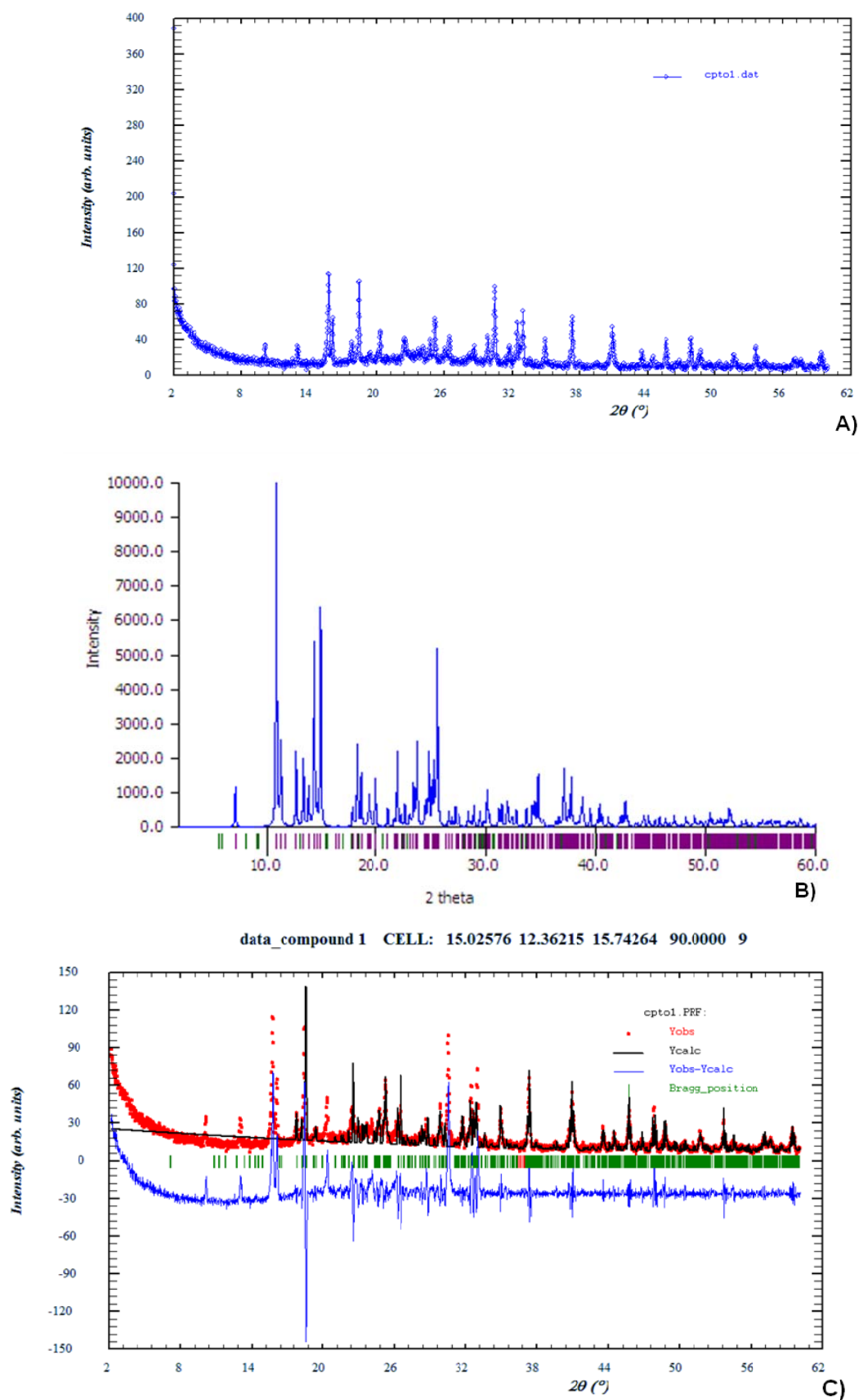
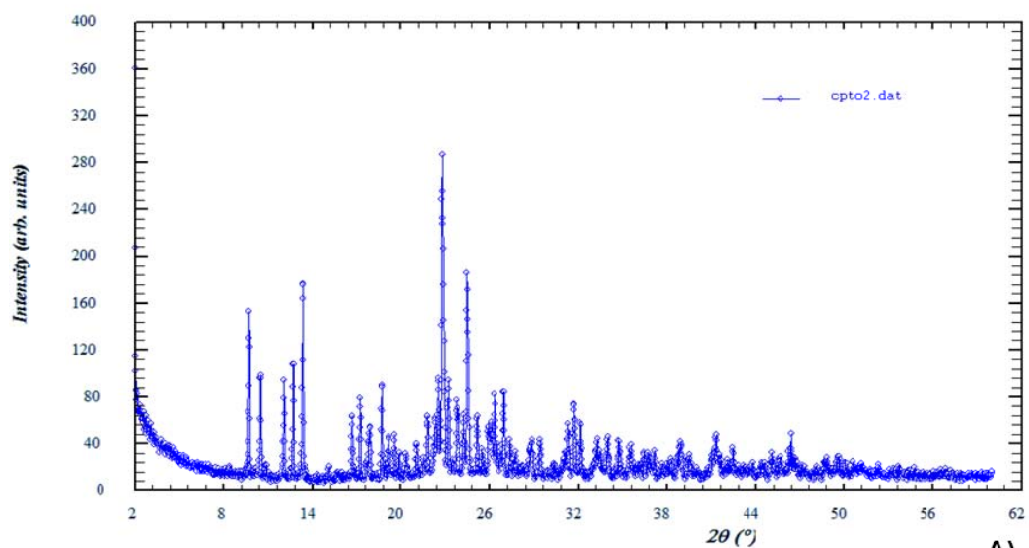
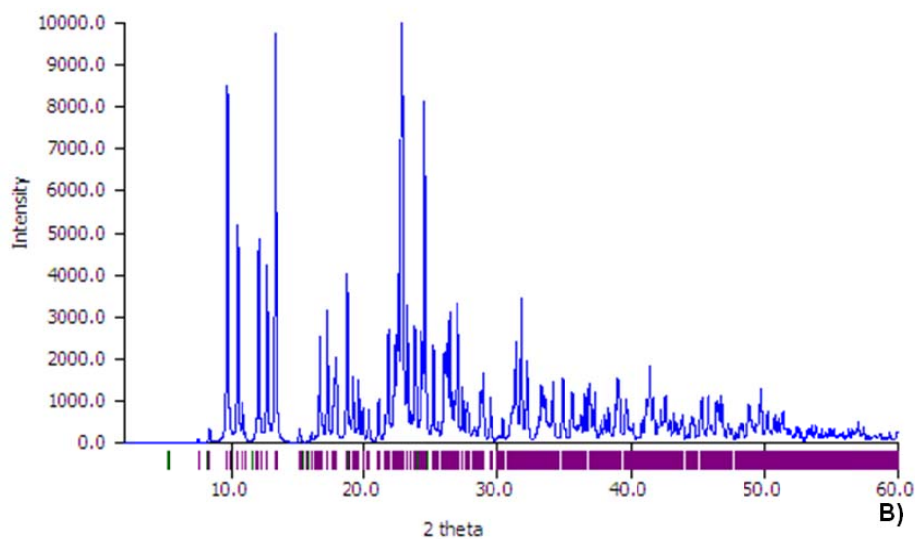


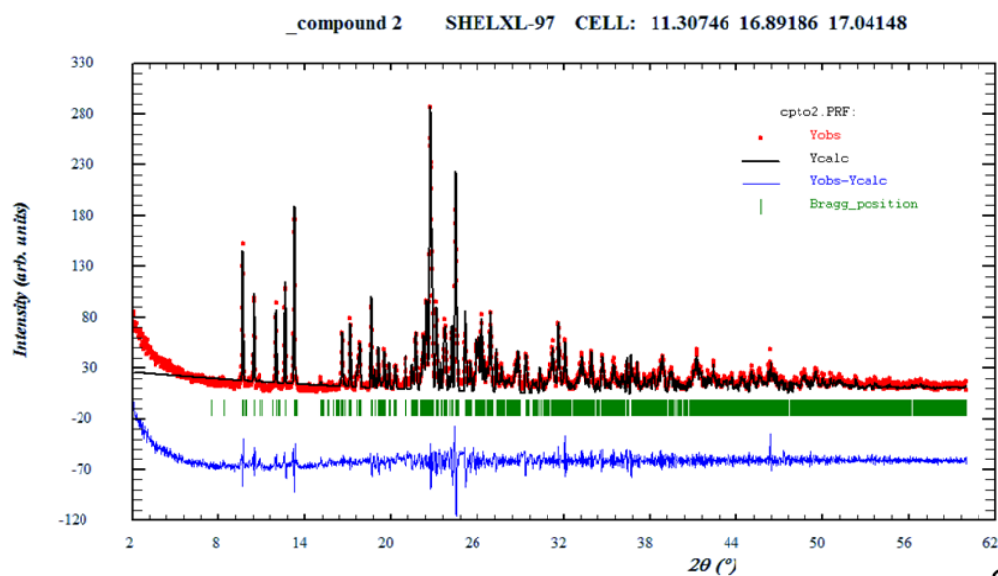
Figure S1. Powder X-ray diffraction studies of $[\text{Co}_2\text{Cl}_4(\text{bptm})_2]$ (1): experimental (A), calculated from single crystal data (B) and profile matching obtained with FULLPROF program. (C).



A)



B)



C)

Figure S2. Powder X-ray diffraction studies of $[\text{Zn}_2\text{I}_4(\text{bptm})_2]$ (**2**): experimental (A), calculated from single crystal data (B) and profile matching obtained with FULLPROF program. (C).

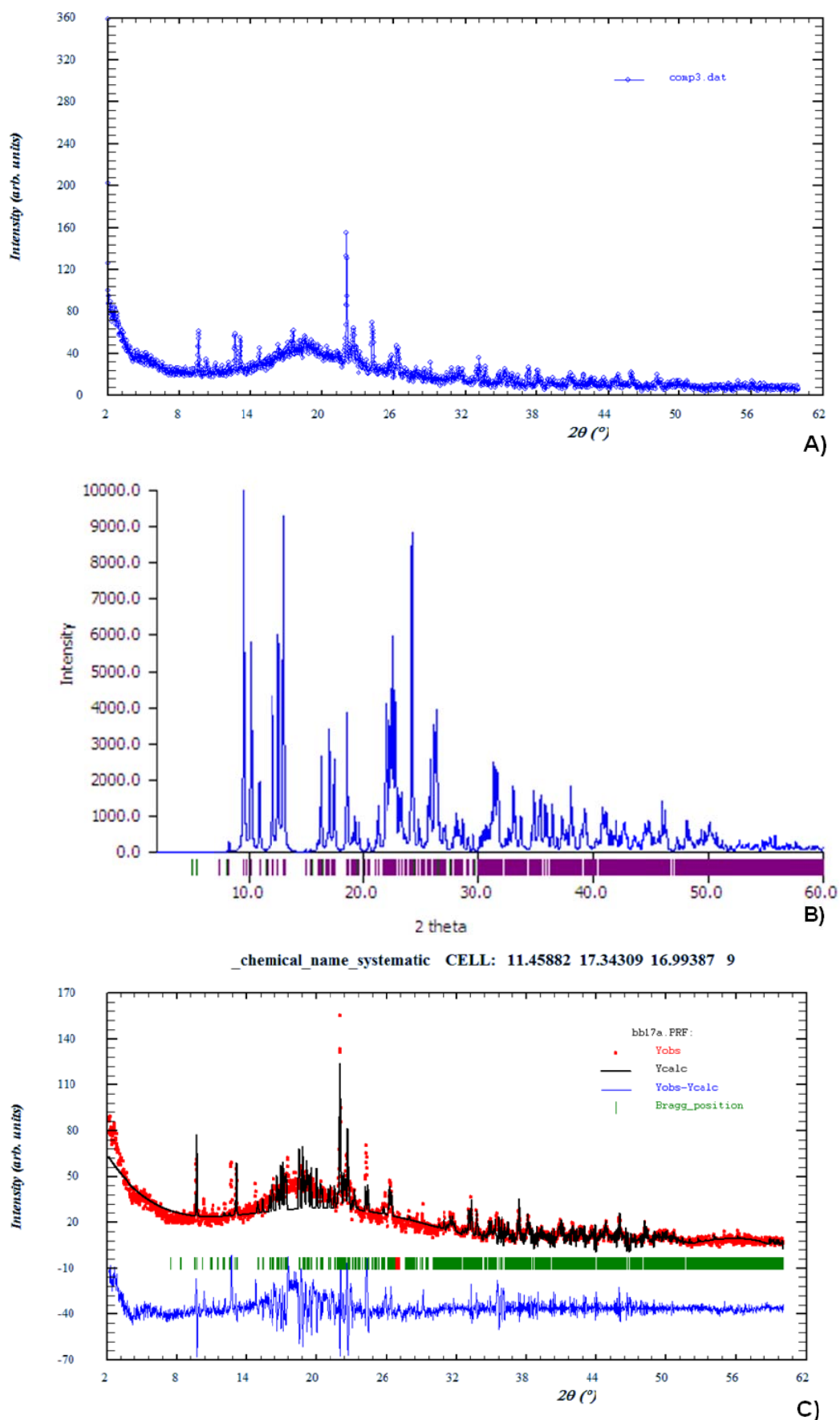


Figure S3. Powder X-ray diffraction studies of $[\text{Cd}_2\text{I}_4(\text{bptm})_2]$ (2): experimental (A), calculated from single crystal data (B) and profile matching obtained with FULLPROF program. (C).

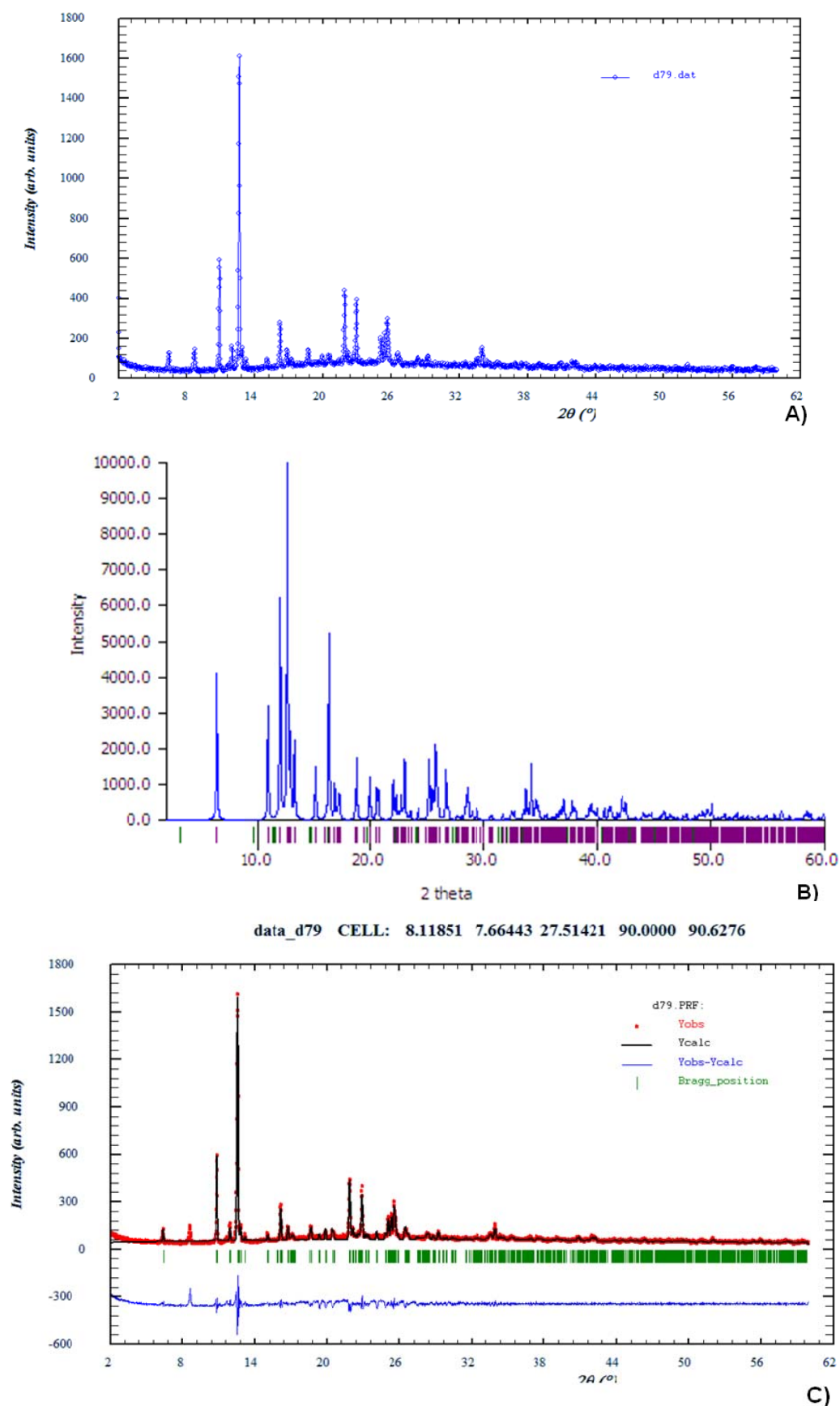


Figure S4. Powder X-ray diffraction studies of $[\text{Cu}_2(\text{CH}_3\text{COO})_4(\text{bptm})_2]$ (6): experimental (A), calculated from single crystal data (B) and profile matching obtained with FULLPROF program. (C).

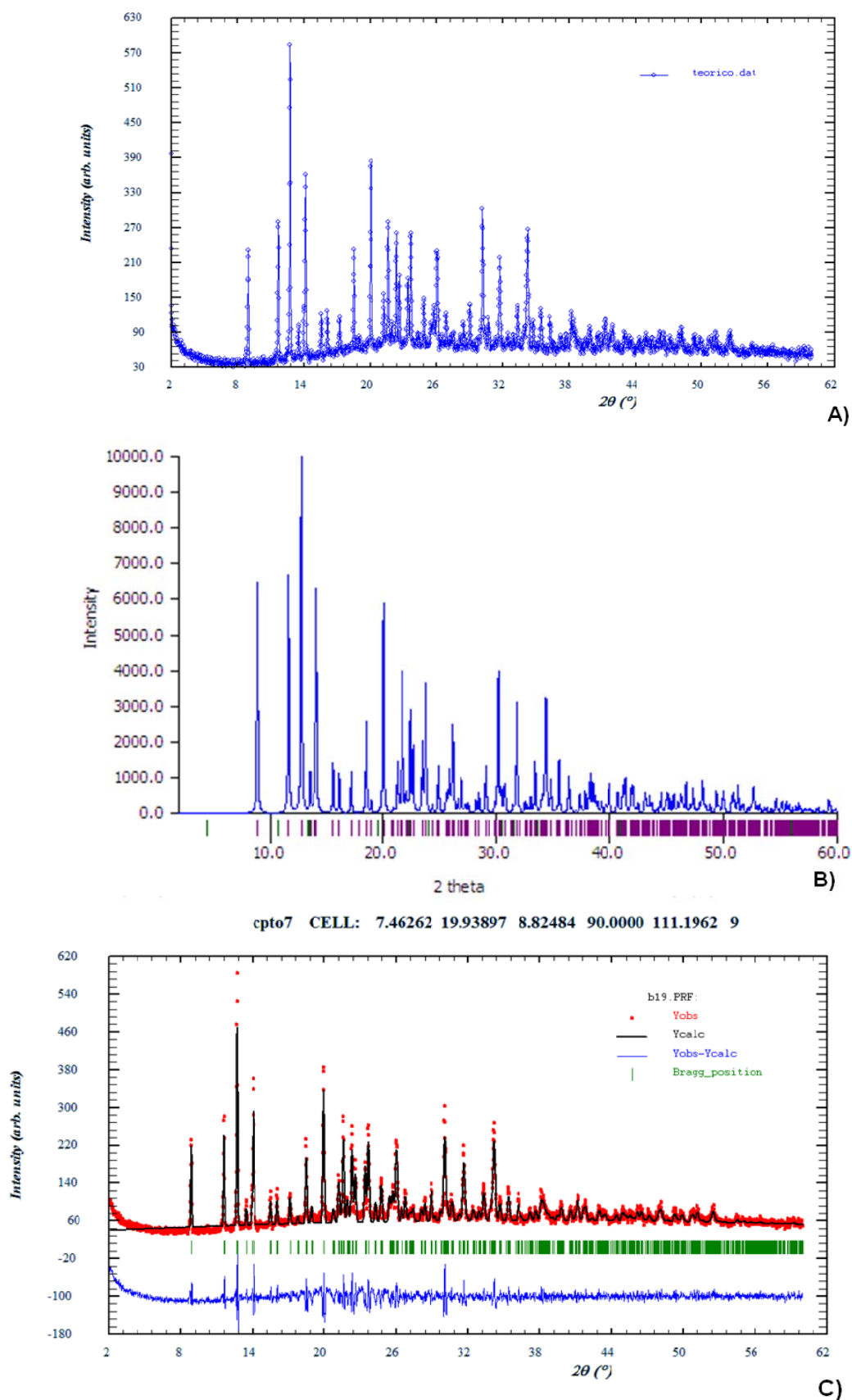


Figure S5. Powder X-ray diffraction studies of [CuBr(bptm)] (7): experimental (A), calculated from single crystal data (B) and profile matching obtained with FULLPROF program. (C).

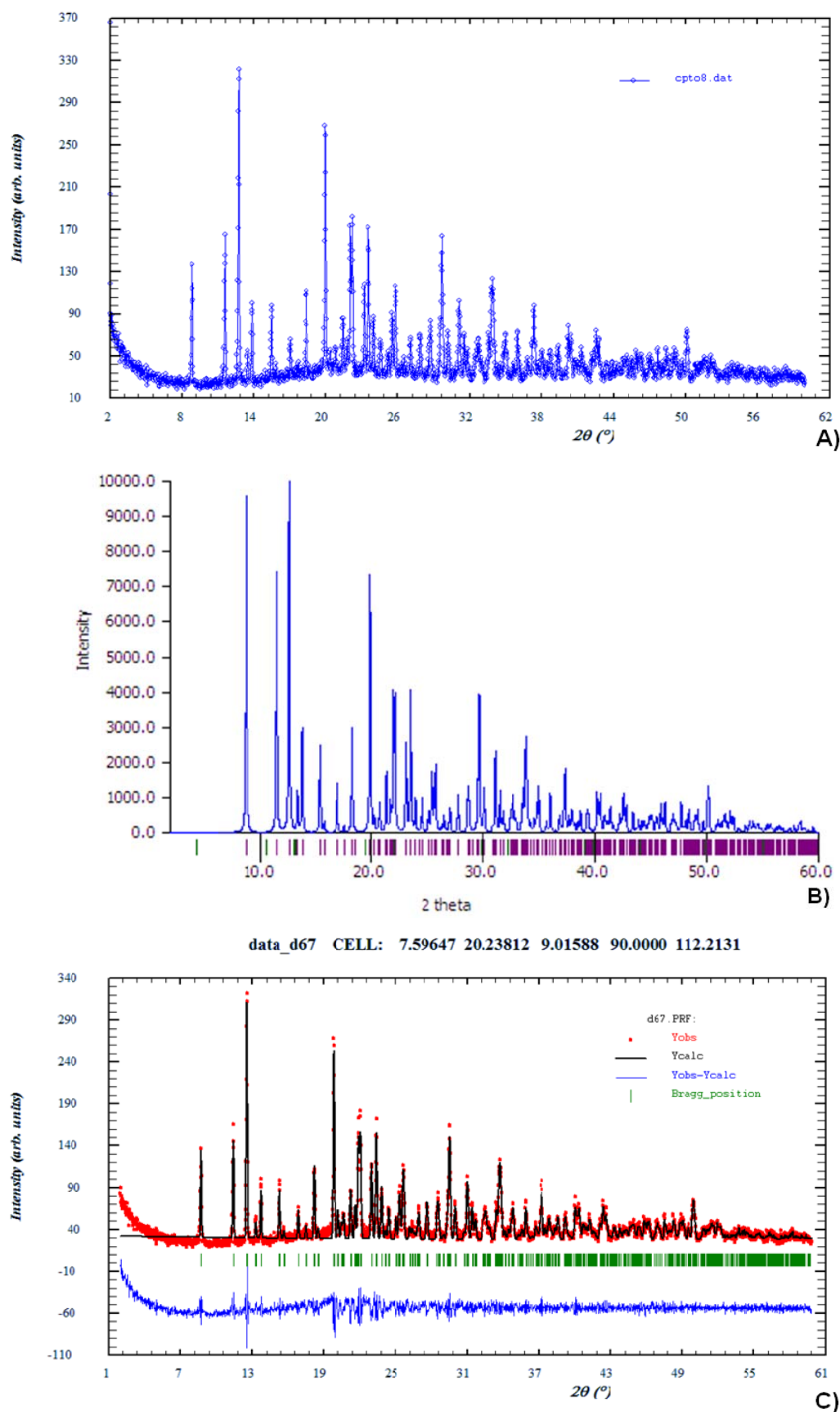


Figure S6. Powder X-ray diffraction studies of [CuI(bptm)] (8): experimental (A), calculated from single crystal data (B) and profile matching obtained with FULLPROF program. (C).