

Electronic Supplementary Information (ESI)

Fine tuning of copper(II) – chlorophyll interactions in organic media. Metalation versus oxidation of the macrocycle

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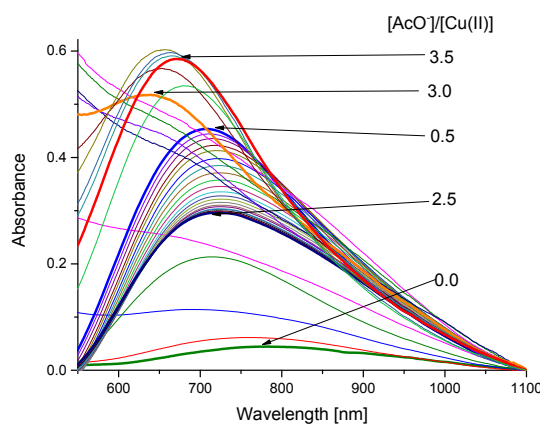


Figure S1. Absorption spectra of Cu(II) complexes occurring in the solution of CuTf₂ in MeNO₂ during titration with Bu₄NacO. T = 298 K, [CuTf₂] = 5 mM.

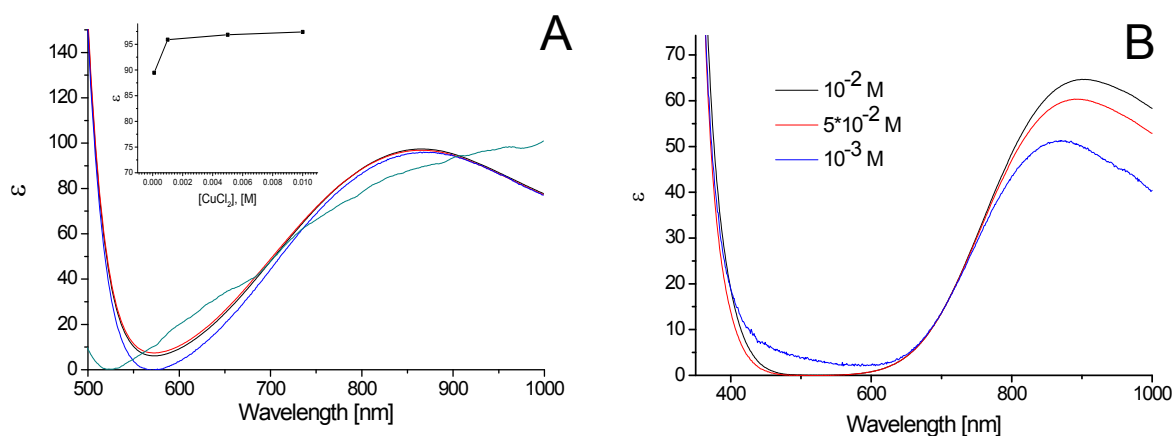


Figure S2. Absorption spectra of CuCl_2 solutions in MeCN (A) and MeOH (B). Spectra recorded at different concentrations of the salt and presented on the scale of molar absorption coefficient.

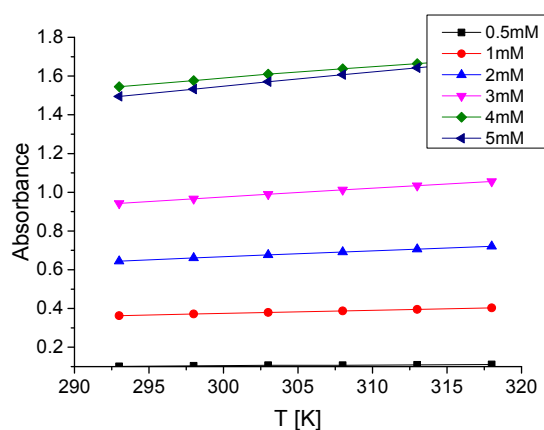


Figure S3. Changes in the absorbance of CuCl_2 solutions at 463 nm as a function of temperature.

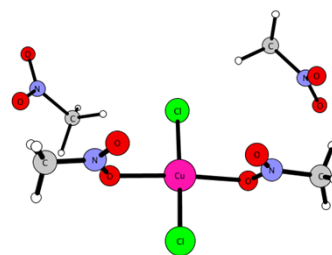
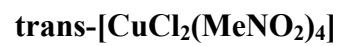
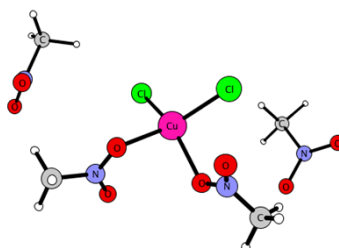
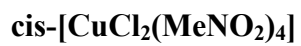
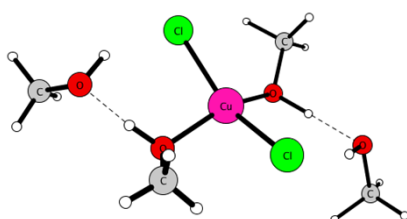
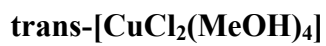
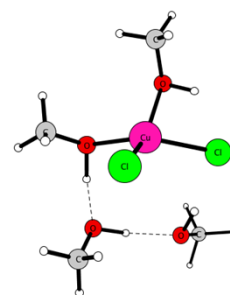
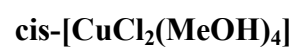
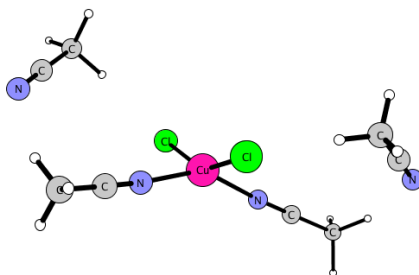
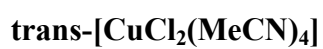
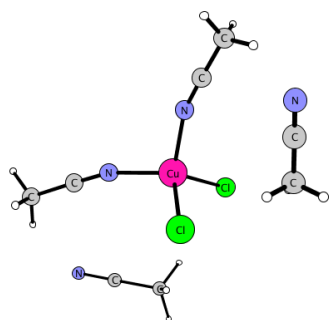
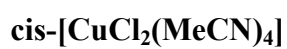
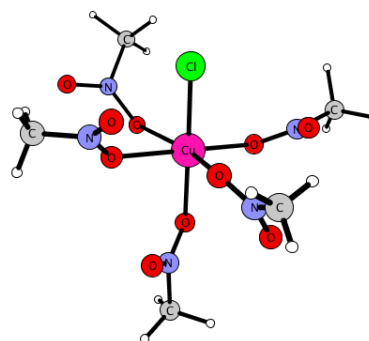
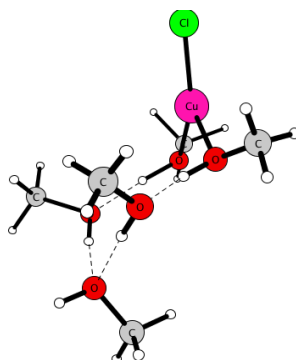
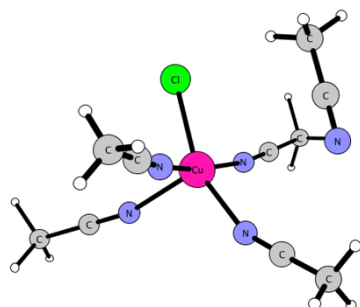


Figure S4. Geometric structures of investigated $[\text{CuCl}_x(\text{Solv})_y]^{+/0}$ species, where $x = 1, 2$; $y = 4, 5$.

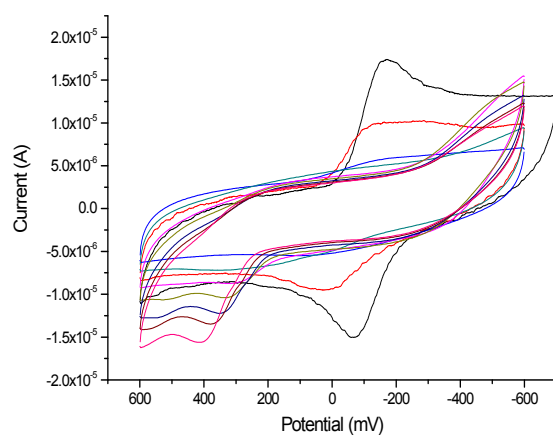


Figure S5. Cyclic voltammograms recorded for a CuTf_2 solution titrated with Bu_4NAcO in MeNO_2 .