Supplementary data for

Blue Copper Protein Anlogue: Synthesis and Characterization of Copper Complexes of the NSNS Macrocycle 1,8-dithia-4,11-diazacyclotetradecane

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General information

**Instrumentation:** All $^1$H and $^{13}$C-NMR spectra were obtained using a Varian Mercury 300 spectrometer, operating at either 300 MHz ($^1$H) or 75 MHz ($^{13}$C). Chemical shifts were referenced relative to the residual solvent peak.

**Cu High Resolution Mass Spectrometry:** $[\text{Cu}+(14\text{aneNSNS})]\text{PF}_6^-$
Cu High Resolution Mass Spectrometry: \([\text{Cu}^2+(14\text{aneNSNS})]\text{ClO}_4^-\)