

Bis[*N*-alkyl-*N,N*-di(2-pyridylmethyl)amine]zinc(II) perchlorates display *cis*-*facial* stereochemistry in solid state and solution

J. Tyler Simmons, Zhao Yuan, Kirsten L. Daykin, Brian T. Nguyen, Michael Shatruk, and Lei Zhu*

Department of Chemistry and Biochemistry, Florida State University, 95 Chieftan Way,
Tallahassee, FL 32306-4390, USA

lzhu@chem.fsu.edu

Supporting Information: Additional NMR Spectra (600 MHz, CD₃CN).

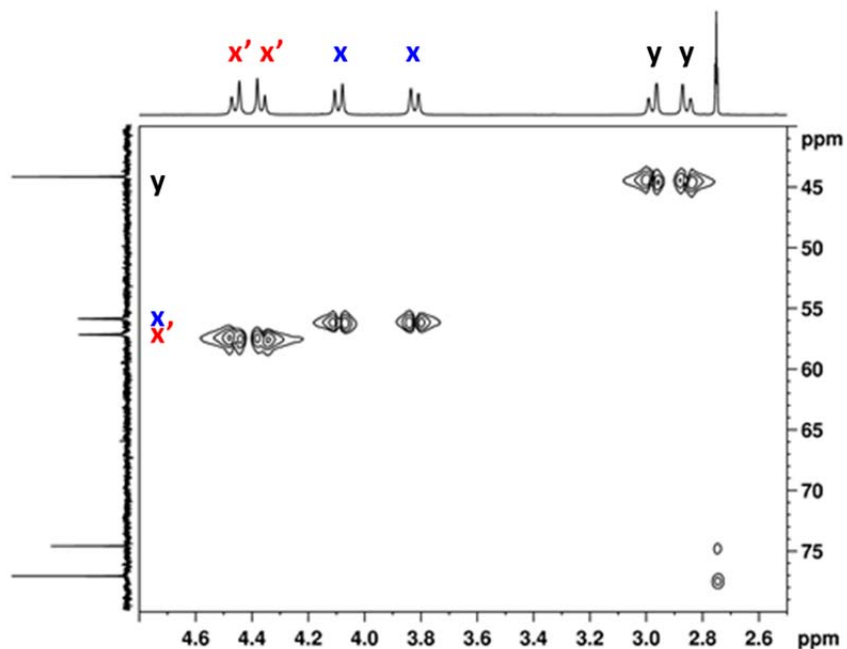


Figure S1. HMQC spectrum of [Zn(4)₂](ClO₄)₂ expanded in the aliphatic region.

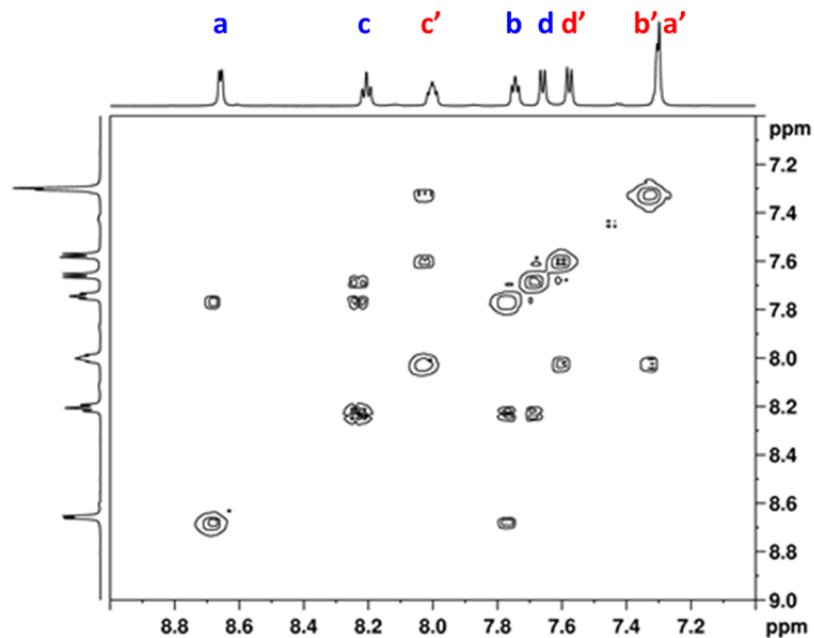


Figure S2. COSY spectrum of $[\text{Zn}(\mathbf{2})_2](\text{ClO}_4)_2$ expanded in the aromatic region.

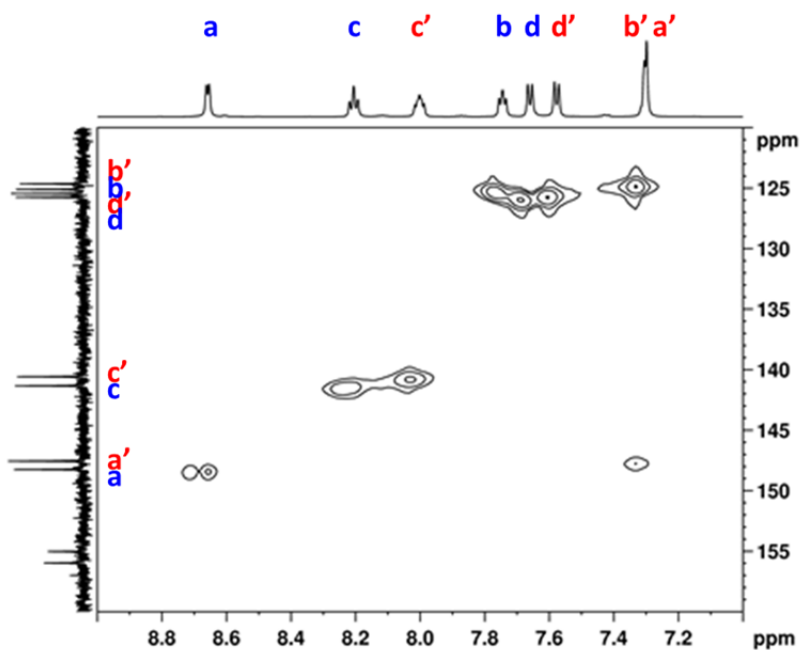


Figure S3. HMQC spectrum of $[\text{Zn}(\mathbf{2})_2](\text{ClO}_4)_2$ expanded in the aromatic region.

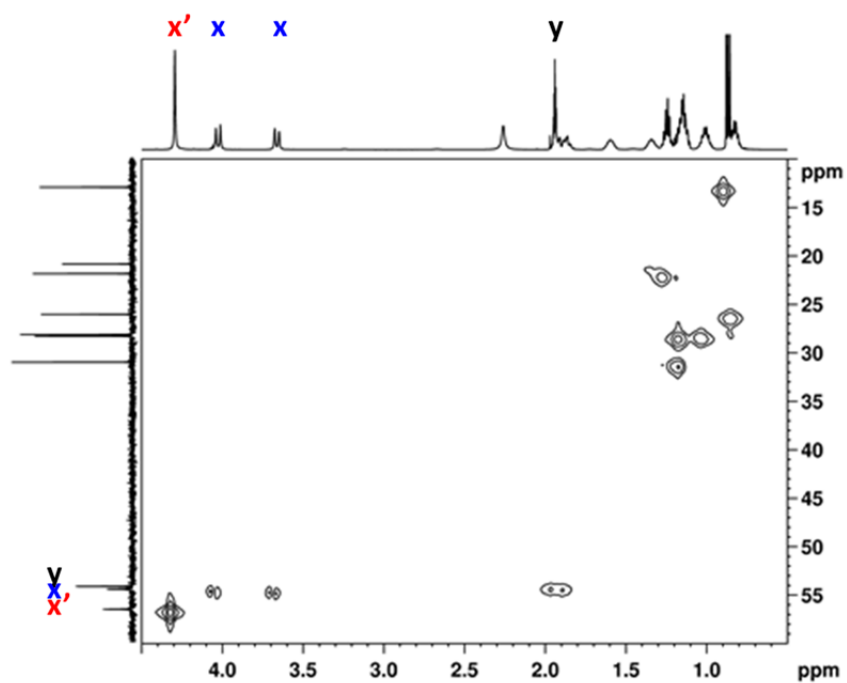


Figure S4. HMQC spectrum of $[\text{Zn}(\mathbf{2})_2](\text{ClO}_4)_2$ expanded in the aliphatic region.

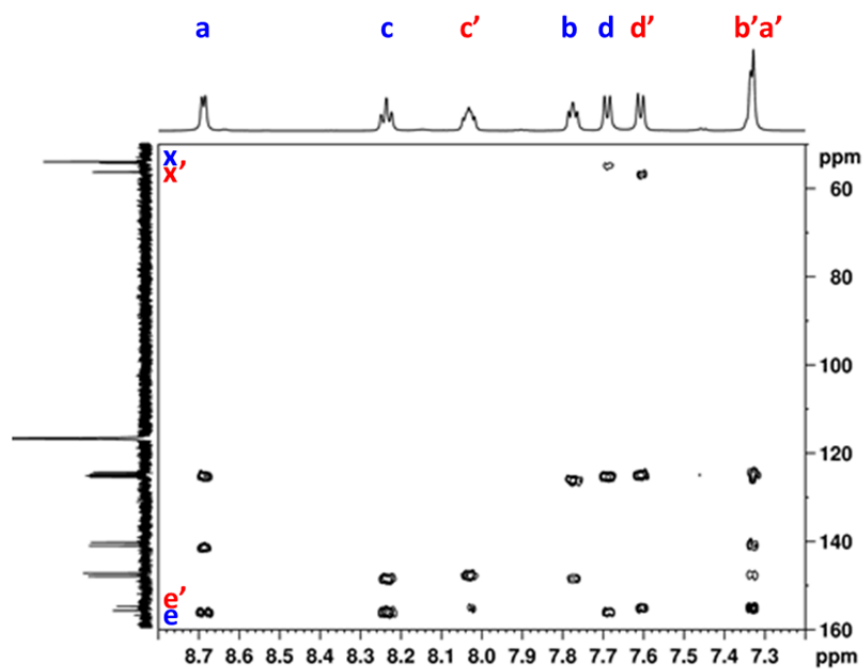


Figure S5. HMBC spectrum of $[\text{Zn}(\mathbf{2})_2](\text{ClO}_4)_2$ showing the aromatic ^1H to ^{13}C correlations.

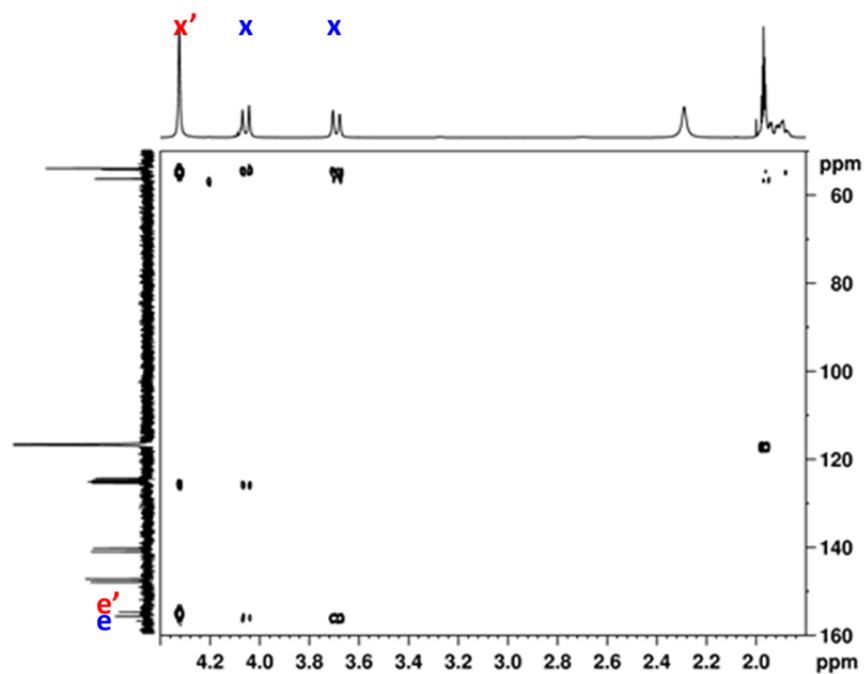


Figure S6. HMBC spectrum of $[\text{Zn}(\mathbf{2})_2](\text{ClO}_4)_2$ showing the aliphatic ^1H to ^{13}C correlations.

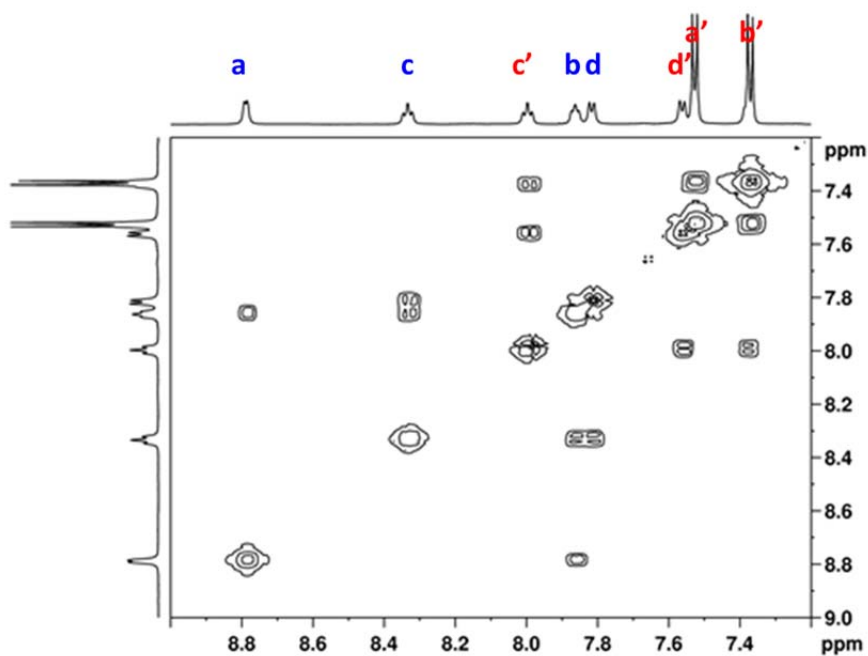


Figure S7. COSY spectrum of $[\text{Zn}(\mathbf{3})_2](\text{ClO}_4)_2$ expanded in the aromatic region.

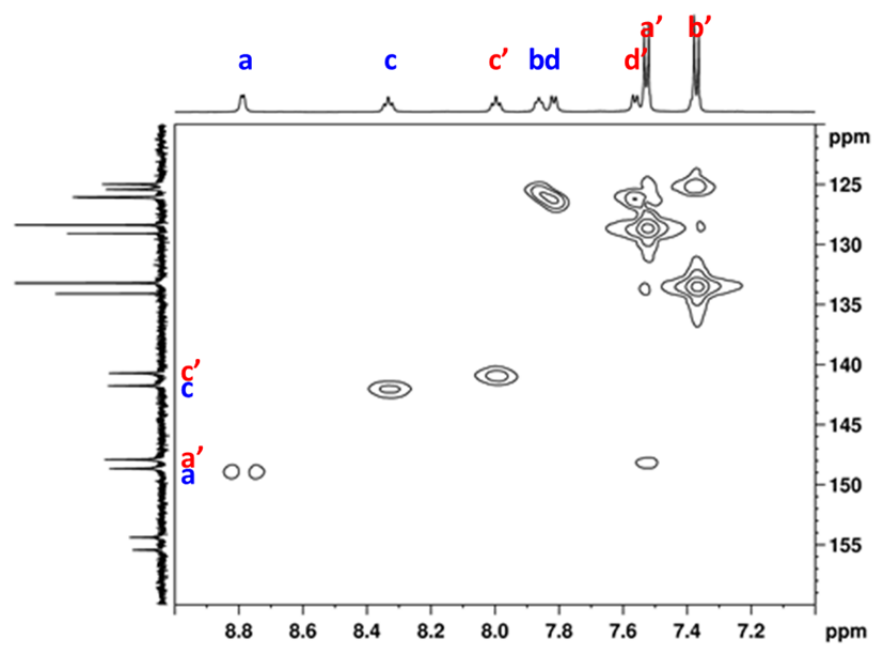


Figure S8. HMPC spectrum of $[\text{Zn}(\mathbf{3})_2](\text{ClO}_4)_2$ expanded in the aromatic region.

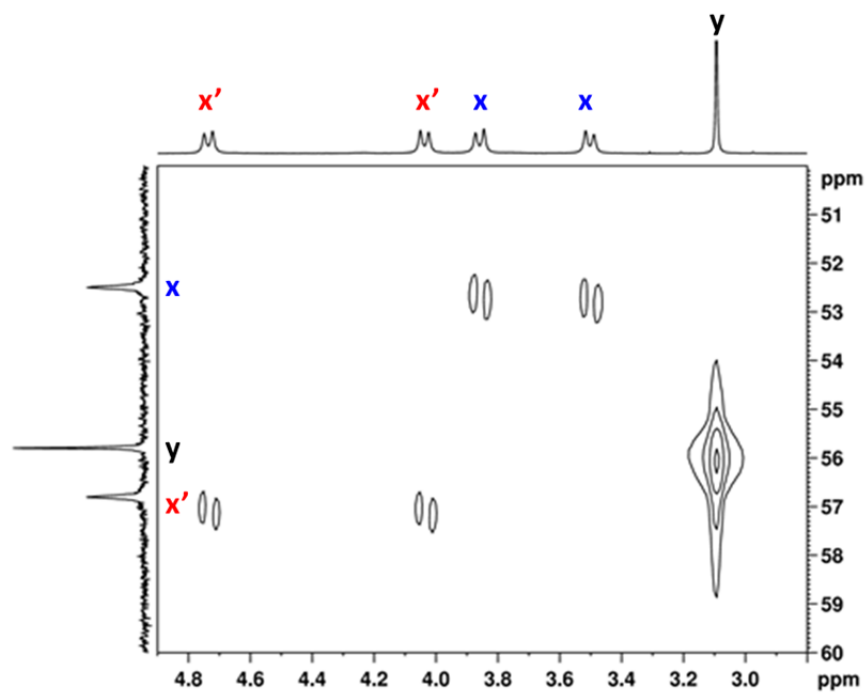


Figure S9. HMPC spectrum of $[\text{Zn}(\mathbf{3})_2](\text{ClO}_4)_2$ expanded in the aliphatic region.

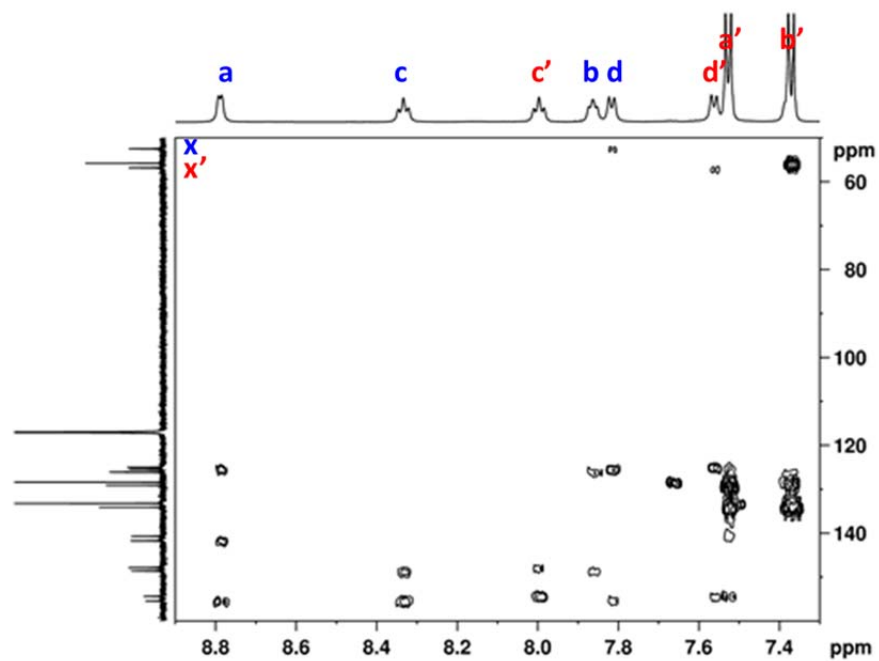


Figure S10. HMBC spectrum of $[\text{Zn}(\mathbf{3})_2](\text{ClO}_4)_2$ showing the aromatic ^1H to ^{13}C correlations.

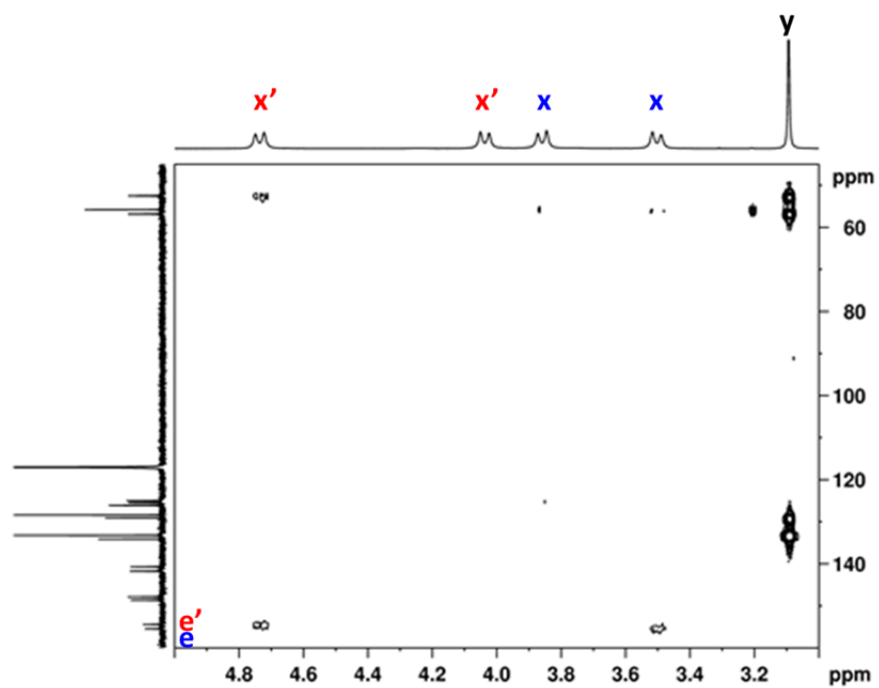


Figure S11. HMBC spectrum of $[\text{Zn}(\mathbf{3})_2](\text{ClO}_4)_2$ showing the aliphatic ^1H to ^{13}C correlations.