

Electronic Supplementary Information

Croconato-bridged copper(II) complexes. Synthesis, structure and magnetic characterization[†]

Salah S. Massoud,^{*a} Gabrielle F. Williams,^a Febbe R. Louka,^a Maher M. Henary,^b Radovan Herchel,^c Zdeněk Trávníček,^{*c} Roland C. Fischer^d and Franz A. Mautner,^{*e}

^a *Department of Chemistry, University of Louisiana at Lafayette, Lafayette, LA 70504-4370, U.S.A.*

^b *Department of Chemistry and Biochemistry, University of California, Los Angeles, CA 90095-1569, U.S.A.*

^c *Department of Inorganic Chemistry & Regional Centre of Advanced Technologies and Materials, Faculty of Science, Palacký University, 17. listopadu 12, CZ-77146 Olomouc, Czech Republic*

^d *Institut für Anorganische Chemie, Technische Universität Graz, Stremayrgasse 9/V, A-8010 Graz, Austria*

^e *Institut für Physikalische and Theoretische Chemie, Technische Universität Graz, Stremayrgasse 9/II, A-8010, Graz, Austria*

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Table S1 Possible hydrogen bond systems in complexes **1-3**.

D-H...A [#]	Symmetry of A	D...A (Å)	D-H...A (°)
Complex 1			
N(2)-H(1)...O(2)	[1-x,-y,1-z]	3.026(15)	159
N(4)-H(2)...O(4)	[1-x,-y,2-z]	3.000(15)	170
O(91)-H(92)...O(6)		3.11(3)	178
O(91)-H(93)...O(11)		3.099(15)	178
O(92)-H(94)...O(9)		2.76(3)	178
O(92)-H(94)...O(12)		3.039(19)	178
O(94)-H(97)...O(91)		2.78(3)	143
Complex 2			
O(30)-H(92)...O(7)		2.789(14)	175
O(31)-H(95)...O(16)	[x,y,-1+z]	2.90(2)	165
O(32)-H(96)...O(30)		2.852(19)	158
O(32)-H(97)...O(11)		2.92(2)	152
O(33)-H(98)...O(24)		2.82(3)	155
O(33)-H(99)...O(2)		2.98(2)	132
O(33)-H(99)...O(3)		3.03(2)	150
Complex 3			
O(6)-H(91)...O(4)		3.021(17)	177
O(6)-H(90)...O(5)	[x,y,-1+z]	3.092(17)	179

[#] D = Donor, A = Acceptor

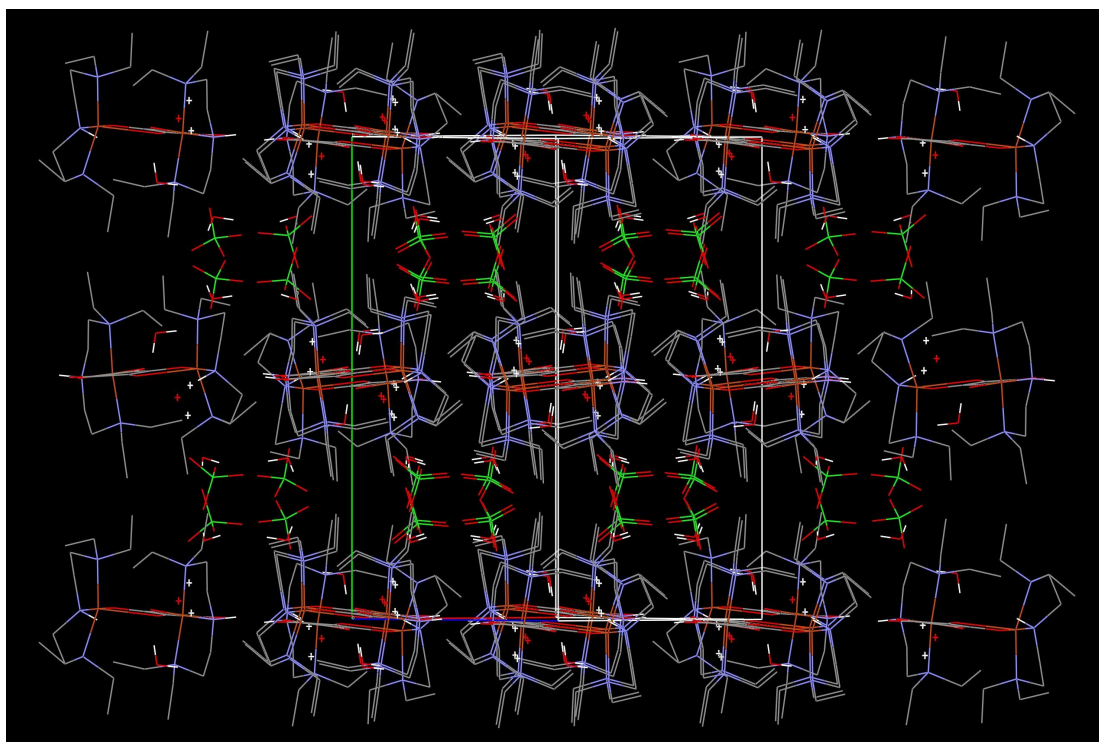


Figure S1a: Packing plot of **1**

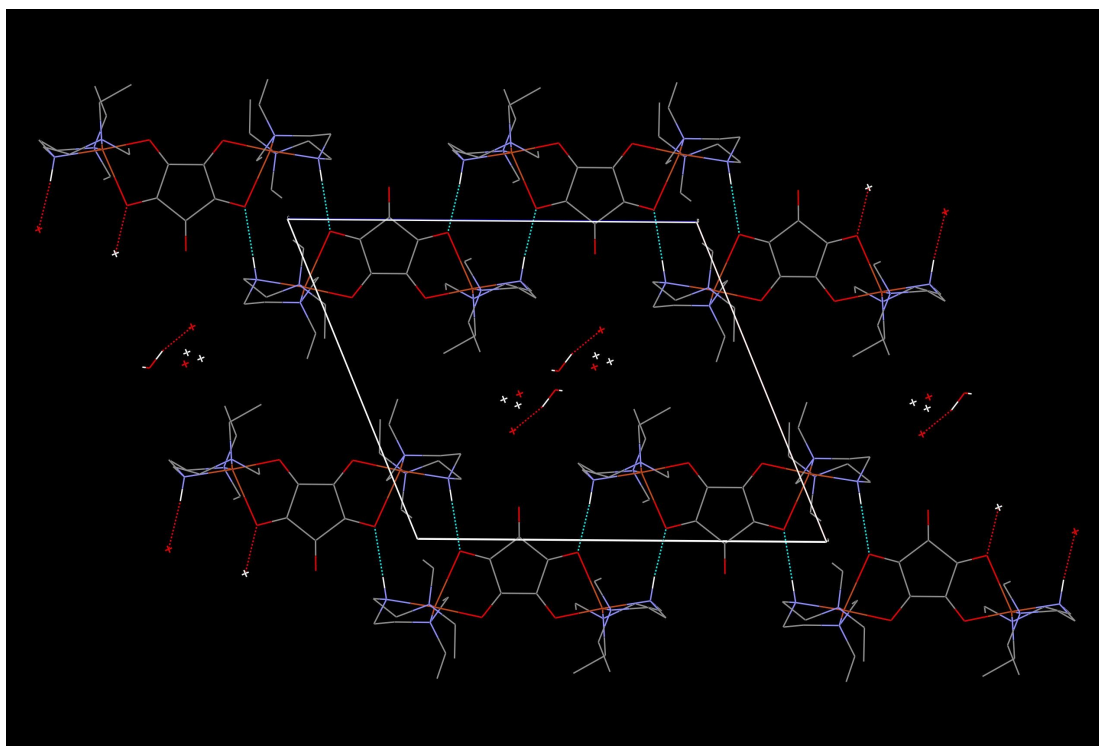


Figure S1b: View onto layer of dinuclear subunits of **1**

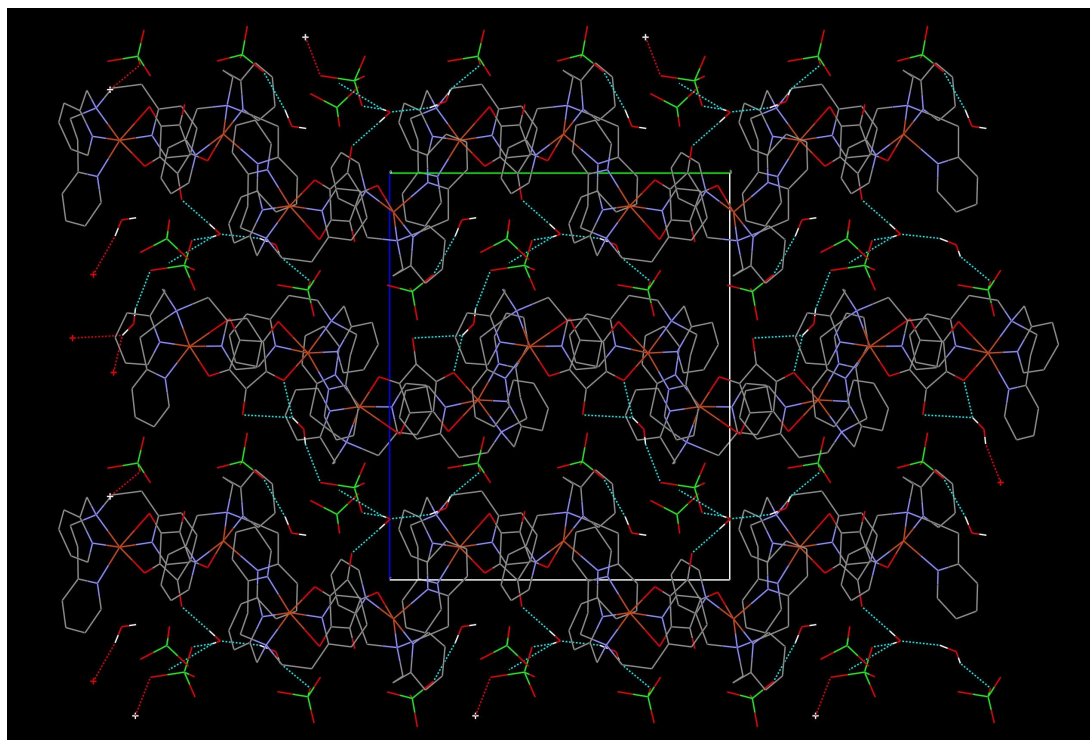


Figure S2a: Packing plot of **2**

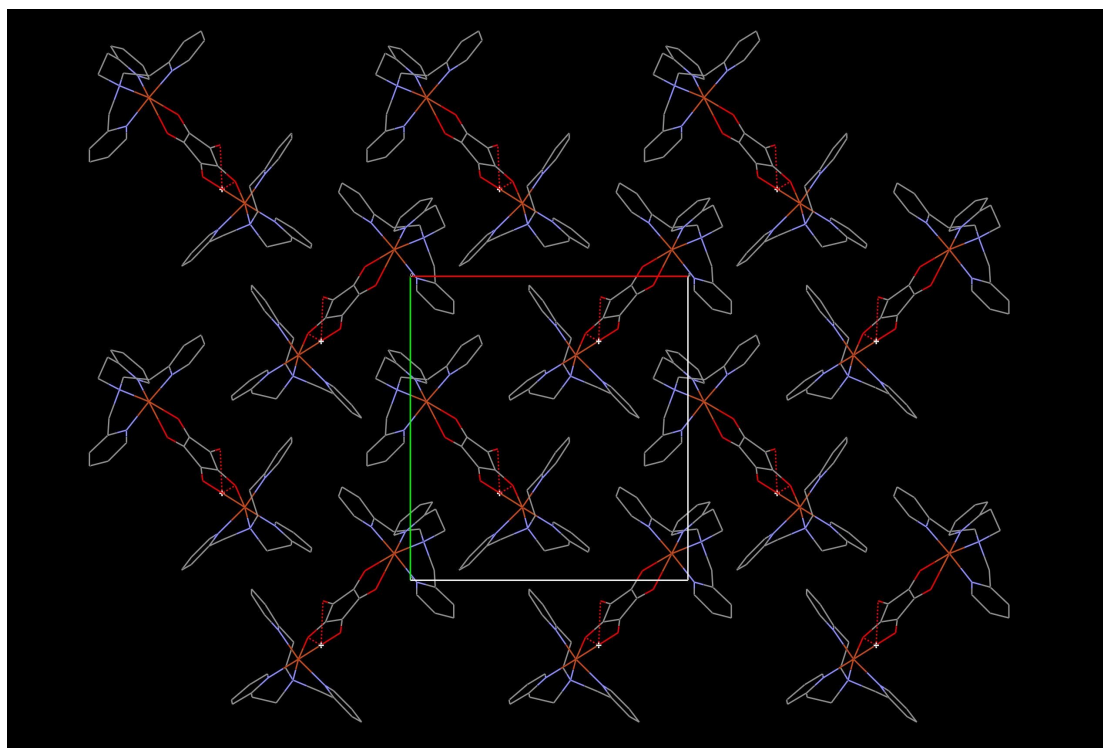


Figure S2b: View onto layer of dinuclear subunits of **2**

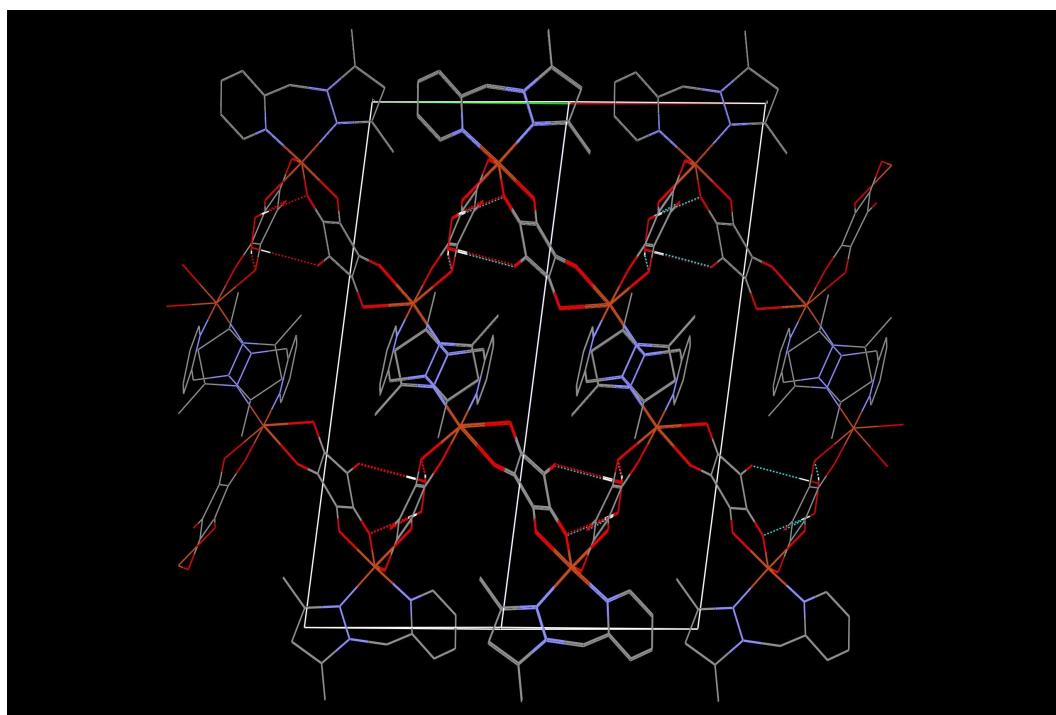


Figure S3a: Packing plot of **3**

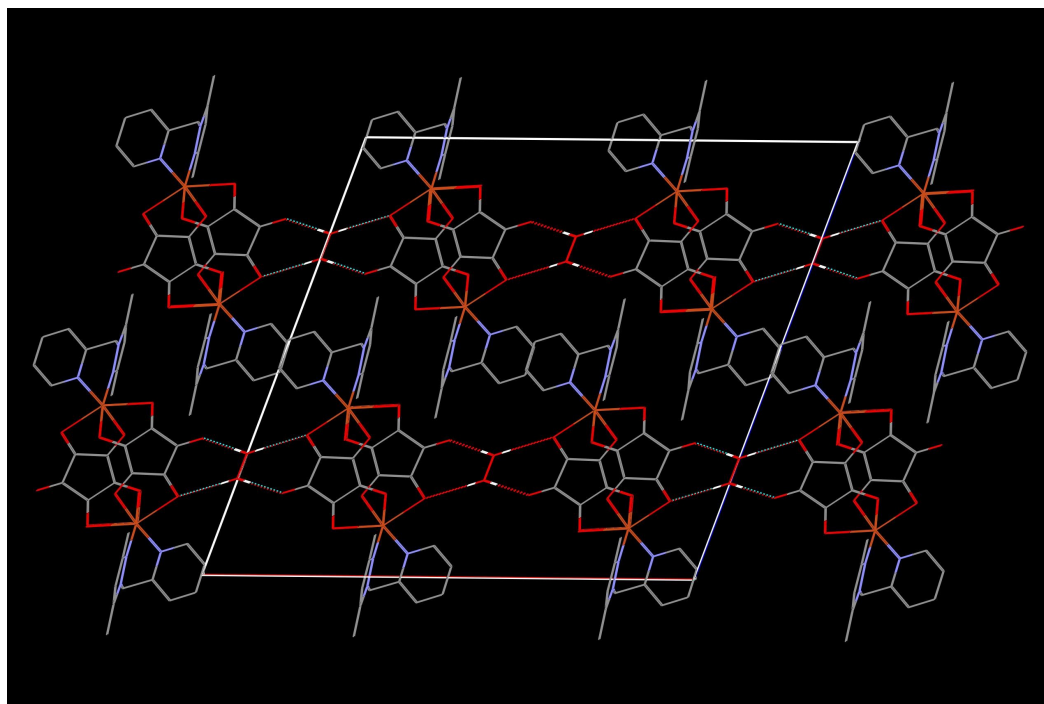


Figure S3b: Possible hydrogen bonds in **3**