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Mono- and dinuclear copper(II) and iron(III) complexes of a tetradentate bispidine-diacetate ligand

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Table S1. Selected bond lengths (Å) and angles (°) for LH_2.

C(13)-O(1)	1.313(4)	C(15)-O(3)	1.226(3)
C(13)-O(2)	1.195(4)	C(15)-O(4)	1.263(4)
N(3)-C(12)	1.441(4)	N(7)-C(14)	1.484(4)
N(3)···N(7)	2.668		
O(1)-C(13)-O(2)	123.8(3)	O(3)-C(15)-O(4)	125.5(3)

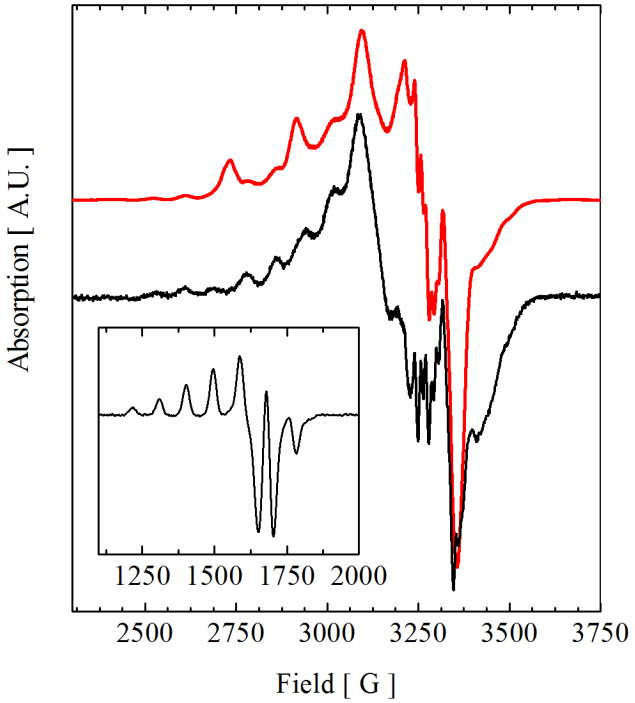

Figure S1. X-band EPR spectrum of **1** (red, top) measured in a 10 mM methanolic solution (T = 6.4 K, ν = 9.395996 GHz) compared with the spectrum obtained after

subtraction of the signal due to the monomeric species. Inset shows the half-field signal observed with the 10mM methanolic solution.

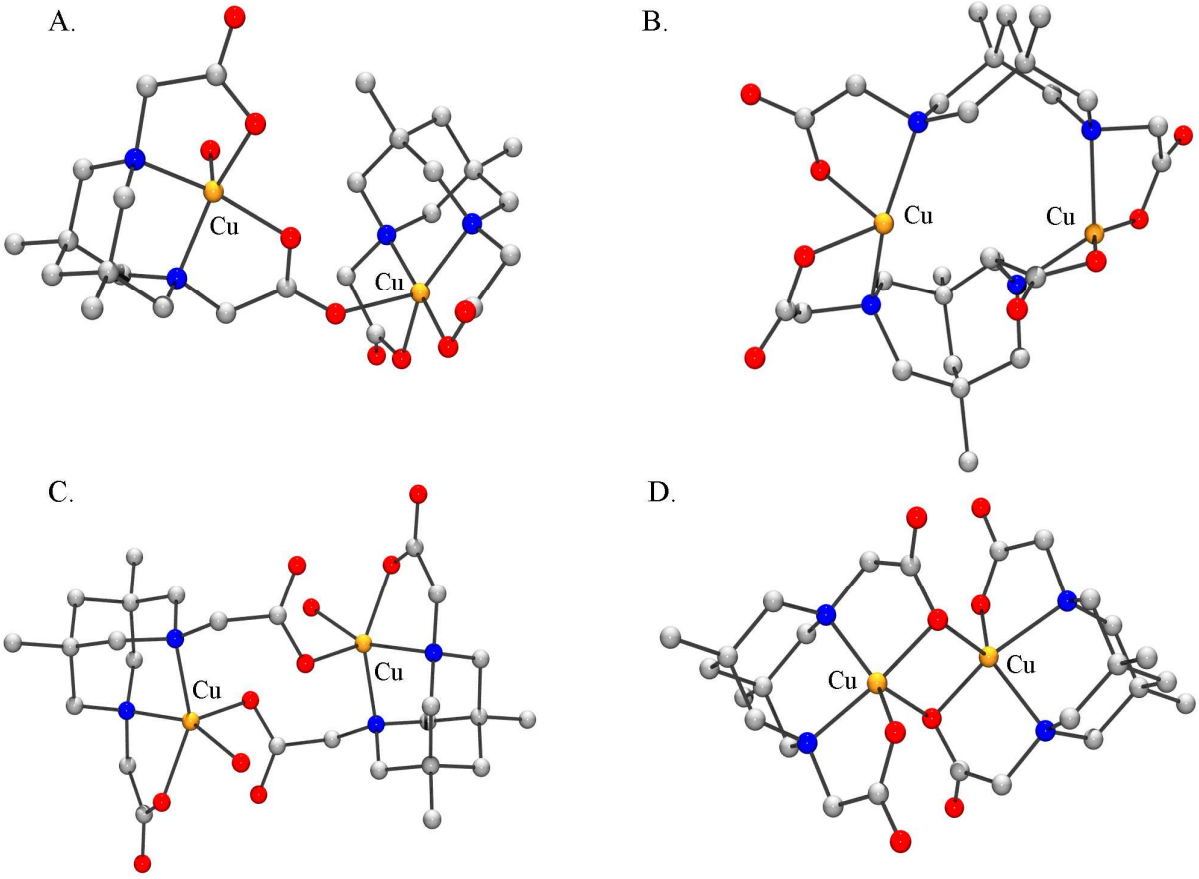

Figure S2. Possible structures of the dimeric species **1b**: A. type (a) with the single carboxylate bridge (Cu···Cu = 5.6 Å); B. type (b) with the bridging bispidine ligand (Cu···Cu = 4.6 Å); C. type (c) with one carboxylate cleaved at each centre and coordinated to the other Cu(II) ion (Cu···Cu = 5.2 Å); D. type (d) with the diamond-like Cu_2O_2 motif (Cu···Cu = 2.99 Å).