

SUPPORTING INFORMATION

Towards a New Type of Multifunctional Metal-Organic Systems Based on Nucleobase Analogues: First Results Derived from the Use of Aliphatic α,ω -Dicarboxylates

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Table S1. Selected bond lengths [Å] for the coordination polyhedron of compounds **1–5**.

Distances	1	2	3	4	5
M-N3	2.2821(16)	2.171(5)	1.984(3)	2.006(6)	2.239(2)
M-N4	2.2982(17)	2.184(5)	---	2.012(6)	2.572(3)
Cd-O51	---	---	---	---	2.264(2)
M-O(carbox)	2.1056(12)	2.041(4)	1.919(3)	1.965(5)	2.423(2)
	2.1773(12)	2.115(4)	1.936(2)	1.970(5)	2.383(2)
	2.2140(13)	2.160(4)	2.367(3)		2.467(2)

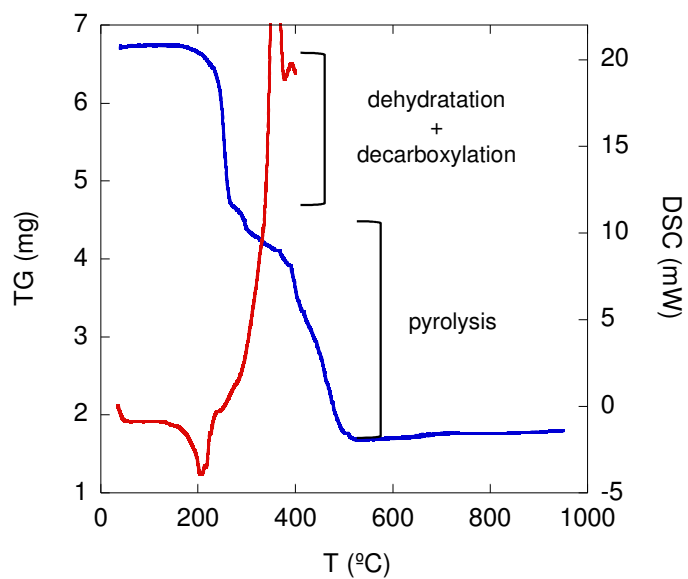


Figure S1. TG (in blue) and DSC (in red) diagram of compound **4**.

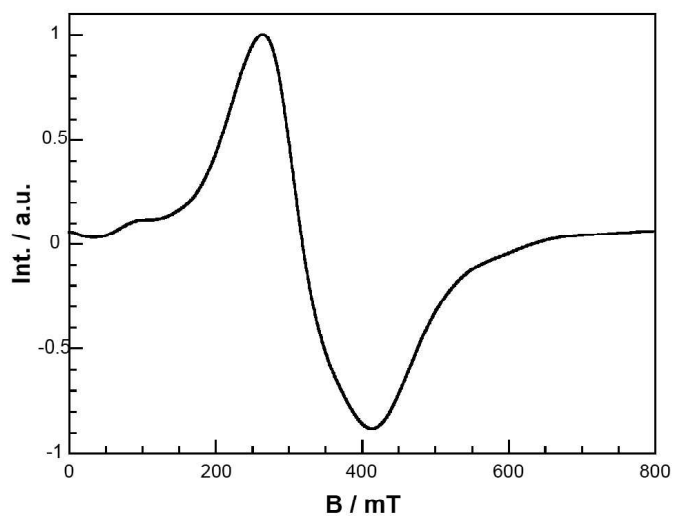


Figure S2. Room temperature X-band EPR spectrum of compound **1**

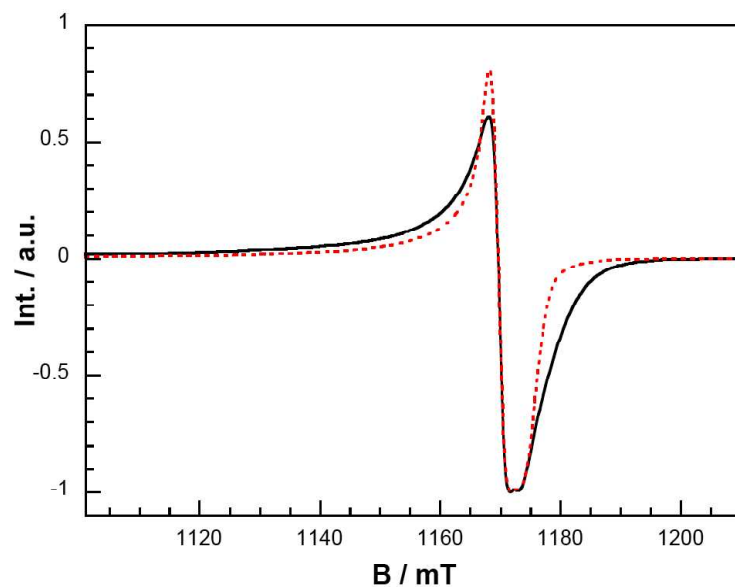


Figure S3. Room temperature Q-band EPR spectrum of compound **3**. Dashed line is the best fit.

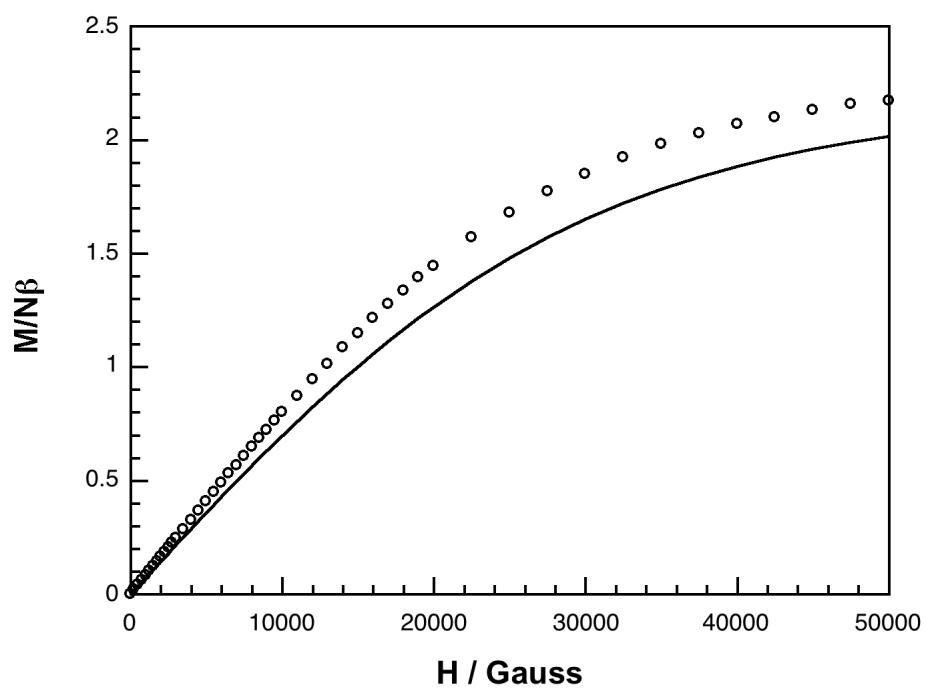


Figure S4. Plot of the reduced magnetization ($M/N\beta$) vs. H for **3** (solid line represent the Brillouin law for two isolated copper (II) ions with $g=2.16$).