Synthetic Analogue Approach for the Functional Domains of Copper(II)- Bleomycins and Its DNA Cleavage Activity

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Supplementary Material

Table S1 Magnetic susceptibilities (per copper) at various temperatures for **1**

T (K)	$\chi_M T$ (cm^3 M^{-1} K)	T	$\chi_M T$
304.9372	0.5076	262.3832	0.48157
304.5652	0.50831	261.0794	0.47837
304.1172	0.50404	259.7579	0.4797
303.6163	0.50465	258.4077	0.47925
303.0258	0.50204	257.0608	0.47779
302.3688	0.50095	255.7137	0.47686
301.6748	0.49927	254.3484	0.47664
300.9801	0.49647	252.9791	0.47398
300.2648	0.49908	251.6022	0.4753
299.4325	0.4977	250.2649	0.47415
298.5959	0.49796	248.8763	0.4715
297.7283	0.49824	247.4945	0.47188
296.8395	0.49485	246.1232	0.46995
295.9128	0.4923	244.7147	0.4682
294.9246	0.49342	243.3239	0.46845
293.9548	0.4916	241.9178	0.4694
292.9802	0.49402	240.5147	0.46748
291.9806	0.49044	239.1073	0.46958
290.9355	0.49196	237.673	0.46705
289.9257	0.48923	236.2566	0.46979
288.9715	0.48513	234.8206	0.46863
288.0023	0.48761	233.3875	0.4686
287.0179	0.48463	231.927	0.4684
285.9096	0.48432	230.5073	0.46716
284.7789	0.48359	229.0621	0.46727
283.6016	0.48393	227.5719	0.46456
282.3979	0.48576	226.1495	0.46572
281.1985	0.48447	224.6821	0.4649
279.9725	0.48626	223.2096	0.46515
278.7368	0.48387	221.738	0.46343
277.5258	0.48264	220.277	0.4644
276.3156	0.48492	218.7973	0.46408
275.0783	0.48601	217.3479	0.46257
273.8624	0.48431	215.8581	0.46266
272.6194	0.48287	214.3809	0.46209
271.3629	0.48519	212.9204	0.46101
270.1137	0.48293	211.4291	0.46115
268.8406	0.48268	209.9405	0.46024
267.5888	0.48284	208.4488	0.46116
266.3092	0.48183	206.9538	0.45999
264.9875	0.4812	205.4636	0.45924
263.68	0.48041	203.9043	0.46038

202.4112	0.45865
200.9052	0.45763
199.406	0.45738
197.929	0.45659
196.4057	0.45552
194.9135	0.45727
193.4003	0.45687
191.8986	0.4545
190.3894	0.45569
188.8572	0.45404
187.3462	0.45427
185.8372	0.45403
184.3085	0.45332
182.7662	0.45326
181.2121	0.45339
179.714	0.45194
178.1781	0.44997
176.648	0.45163
175.1418	0.45087
173.6197	0.44963
172.0903	0.44878
170.565	0.45073
169.0372	0.44988
167.5001	0.45097
165.9813	0.45589
164.4907	0.44506
163.0007	0.4443
161.5327	0.44577
160.1015	0.44734
158.7243	0.44252
157.371	0.44579
156.0443	0.44694
154.7641	0.44402
153.4459	0.44495
152.0989	0.44454
150.7694	0.44534
149.4032	0.44333
148.052	0.44411
146.6835	0.44379
145.3176	0.44272
143.9112	0.44058
142.5399	0.44015
141.1352	0.44096
139.6964	0.44135
138.2928	0.44076
136.8336	0.44146
135.4148	0.4408
133.9763	0.44001
132.5309	0.44098
131.0301	0.43756
129.5777	0.43841
128.0958	0.43798
126.6658	0.43763
125.2059	0.4378
123.7124	0.43796
122.2292	0.4382
120.7536	0.43694
119.2427	0.43559
117.7615	0.43546
116.2353	0.43481
114.6919	0.43459
113.169	0.43363
111.6372	0.43307
110.0628	0.43276
108.4748	0.43272
106.8788	0.43313
105.268	0.43307
103.6039	0.43188
101.9164	0.43046
100.2077	0.43047
98.44734	0.42962
96.75623	0.42996
94.99219	0.429
93.15894	0.42839
91.24302	0.42793
89.33935	0.42698
87.39486	0.42687
85.36035	0.42545
83.26105	0.42517
81.07485	0.42435
78.80109	0.42298
76.52352	0.42357
73.97924	0.42248
71.42128	0.42234
68.66427	0.42172
65.60815	0.42047
62.23225	0.41786
58.34161	0.4095
54.13036	0.41045
49.44511	0.41703
44.04317	0.41537
42.20851	0.42999

41.00587	0.42967
39.77706	0.43031
38.61408	0.43008
37.41167	0.42988
37.32558	0.40798
36.01581	0.42946
34.55149	0.42969
32.85503	0.42918
31.02279	0.4306
29.37218	0.4095
28.87441	0.43344
25.95456	0.4343
22.14638	0.46202
22.07177	0.43594
18.81545	0.47207
17.64652	0.47123
17.23671	0.60383
17.16497	0.47259
17.10732	0.47859
17.09288	0.48977
17.00594	0.48466
16.99141	0.48088
16.87462	0.48545
16.84528	0.48617

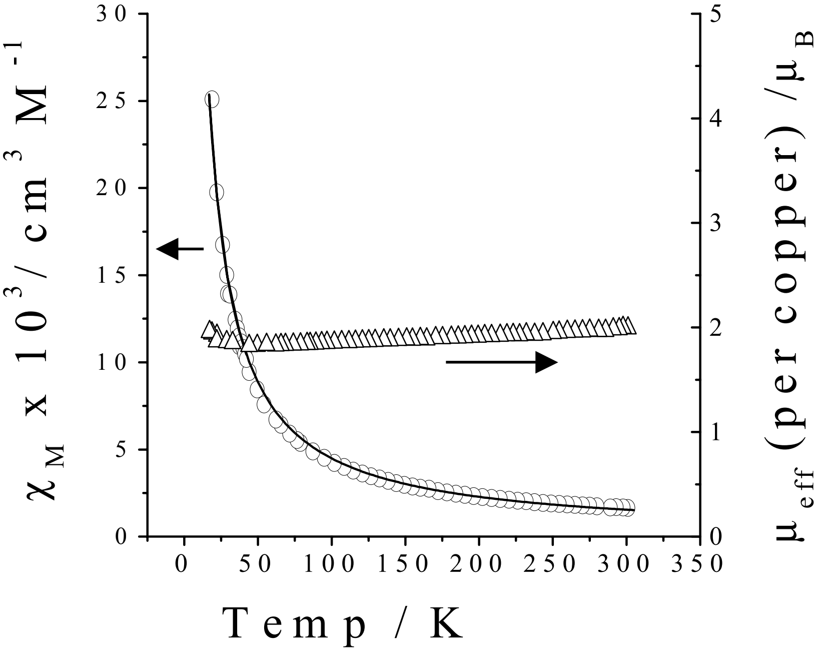

Fig. S3 Temperature dependence of magnetic susceptibility (o, per copper) and the magnetic moment (Δ, per copper) for $[Cu_2(R'SSR)_2(SO_4)_2]$ (**1**). Theoretical fitting of the experimental data is shown by solid line.

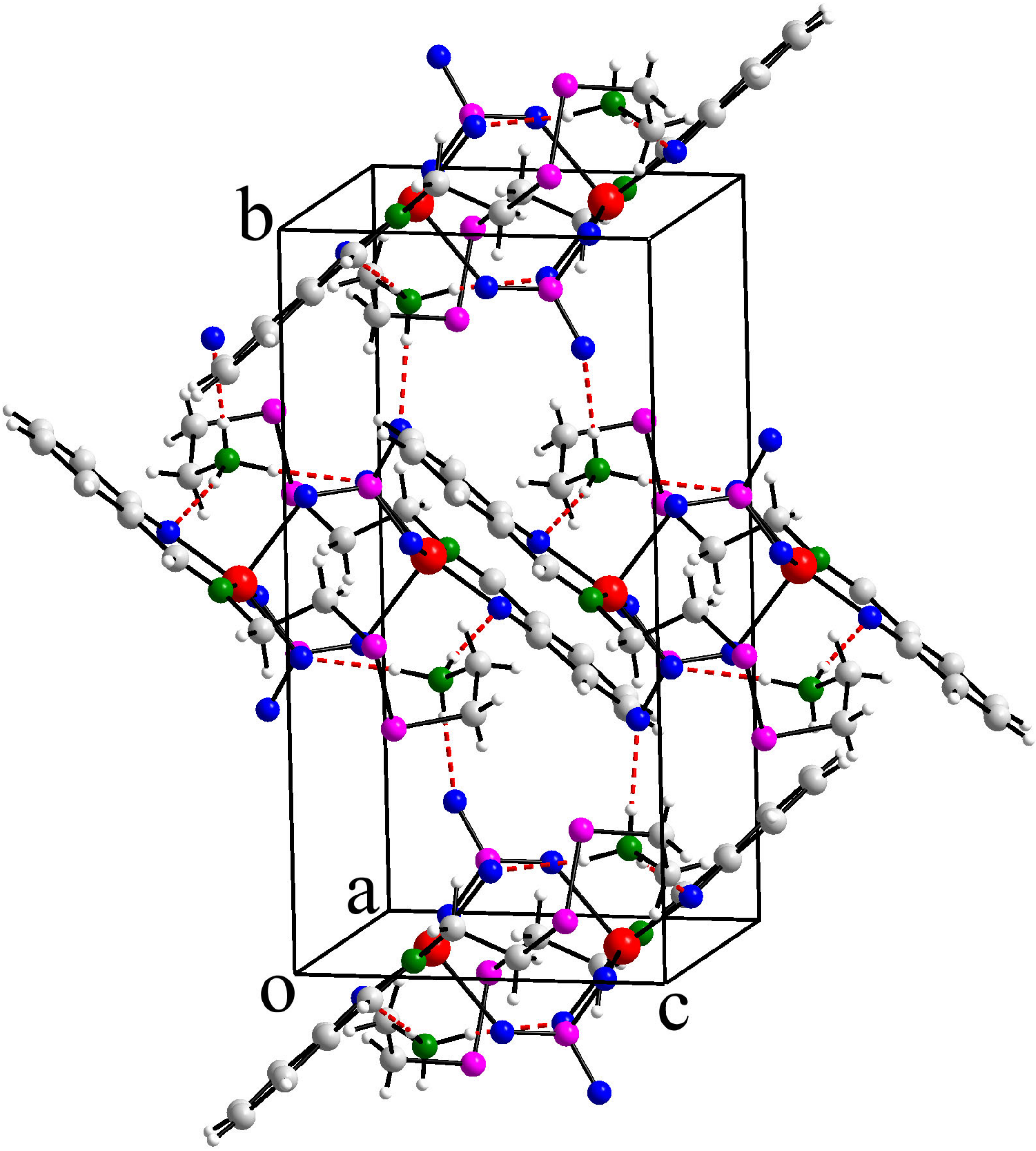

Fig. S2 Unit cell packing diagram of $[Cu_2(R'SSR)_2(SO_4)_2]$ (**1**)