ELECTRONIC SUPPLEMENTARY INFORMATION

Control of Chirality and Catenation in Cobalt and Cadmium Camphorate Coordination Complexes

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Table S1. Hydrogen bonding distance (Å) and angle (°) data for **1–5**.

D–H···A	*d*(H···A)	∠DHA	*d*(D···A)	symmetry transformation for A
1				
O1W–H1WB···O5	1.90	2.751(7)	164.3	
2				
O4W–H4WB···O6W	1.71	2.511(17)	152.6	–x + 1, y + 1/2, –z
N3–H3···O5W	2.09	2.917(13)	155.5	–x + 1, y + 1/2, –z + 1
N7–H7···O6W	1.90	2.600(13)	134.9	x, y, z + 1
O3W–H3WA···O1	1.90	2.754(7)	167.4	
O3W–H3WB···O9	1.96	2.742(7)	149.1	–x + 1, y + 1/2, –z + 1
O5W–H5WB···O1W	1.90	2.389(16)	114.2	–x, y – 1/2, –z
O5W–H5WB···O6W	1.98	2.513(19)	118.5	
O1W–H1WA···O12A	2.22	2.773(13)	121.7	–x, y – 1/2, –z
O1W–H1WB···O6W	2.16	2.999(17)	160.3	–x + 1, y + 1/2, –z + 1
O2W–H2WB···O9	2.12	2.927(8)	154.2	–x + 1, y + 1/2, –z + 1
O6W–H6WA···O3W	2.25	2.786(15)	119.3	
O6W–H6WA···O5W	2.07	2.513(19)	110.6	
3				
N2–H2···O10	1.94	2.814(7)	172.4	–x + 2, y –1/2, –z + 2
N3–H3···O9	2.24	2.911(7)	133.2	
O1W–H1WA···O9	2.53	2.894(9)	106.0	
4				
N2–H2···O10	2.08	2.807(8)	139.4	
N3–H3···O9	2.05	2.854(7)	151.1	–x, y – 1/2, –z
O1W–H1WA···O1	2.03	2.900(12)	176.2	
O1W–H1WB···O10	1.90	2.742(11)	162.4	

Fig. S1. TGA trace for **1**.

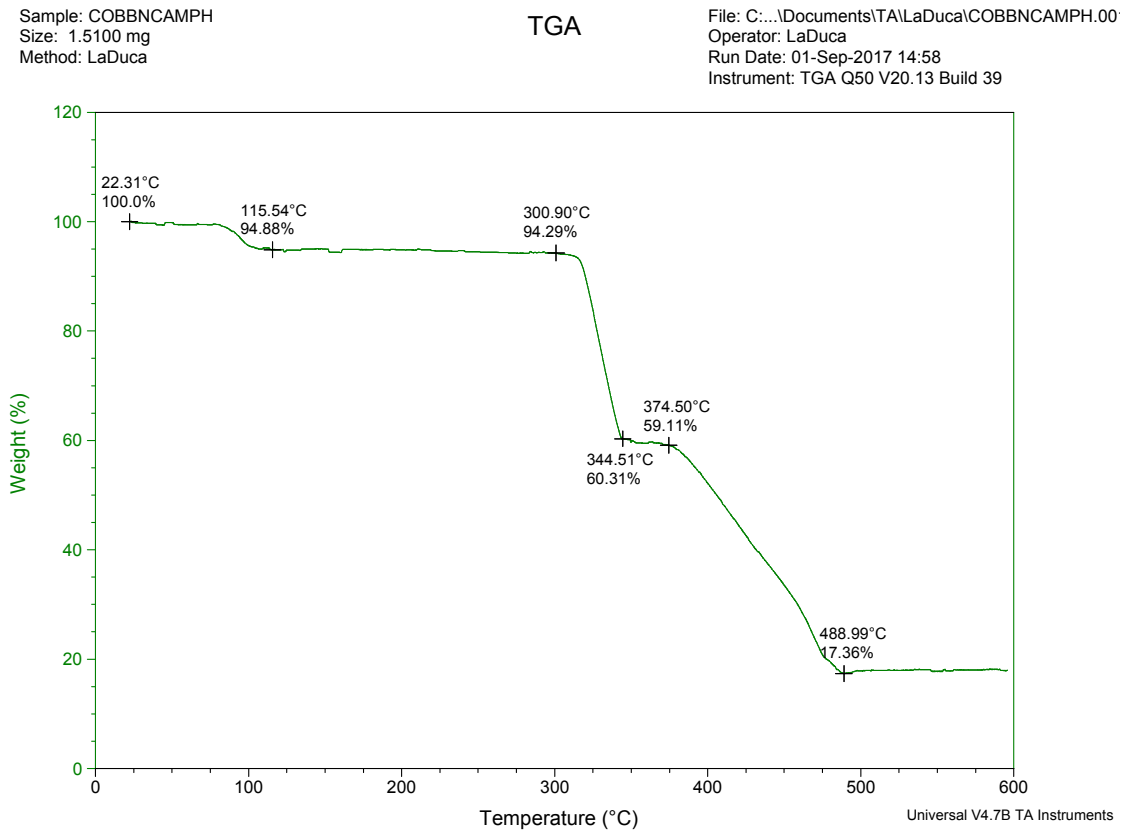

Fig. S2. TGA trace for **2**.

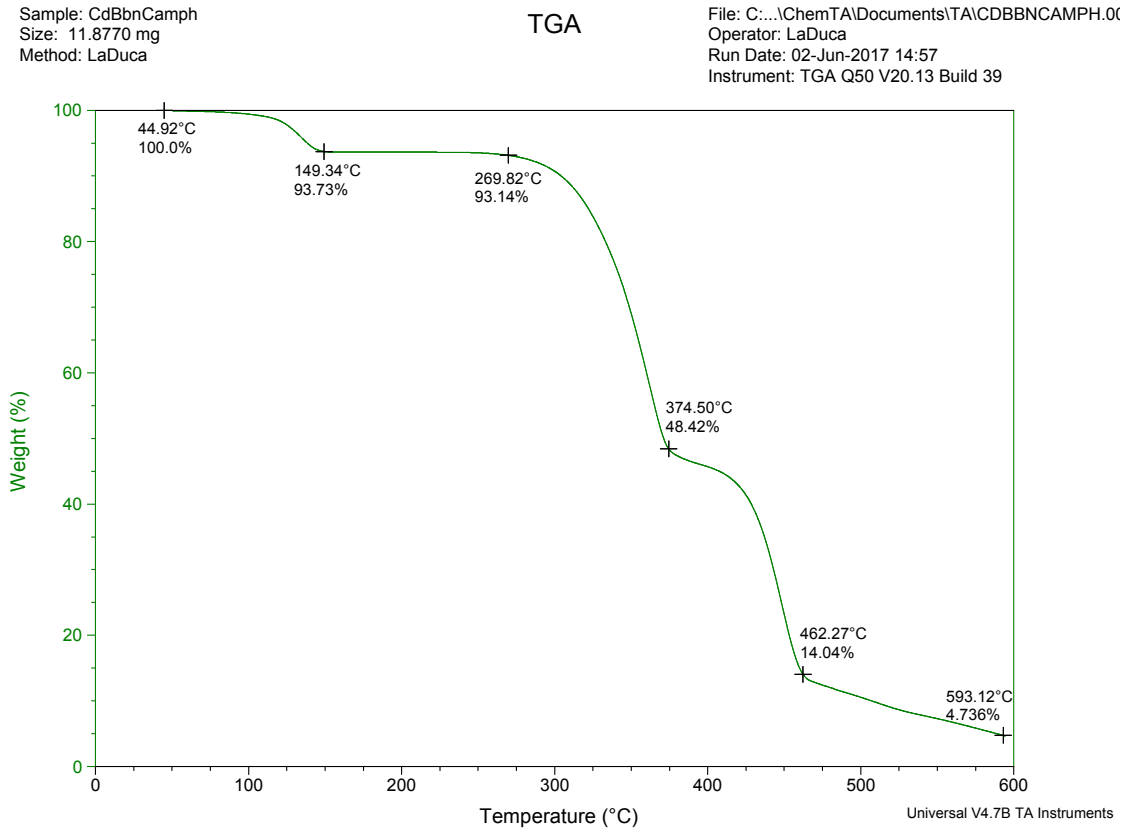

Fig. S3. TGA trace for **3**.

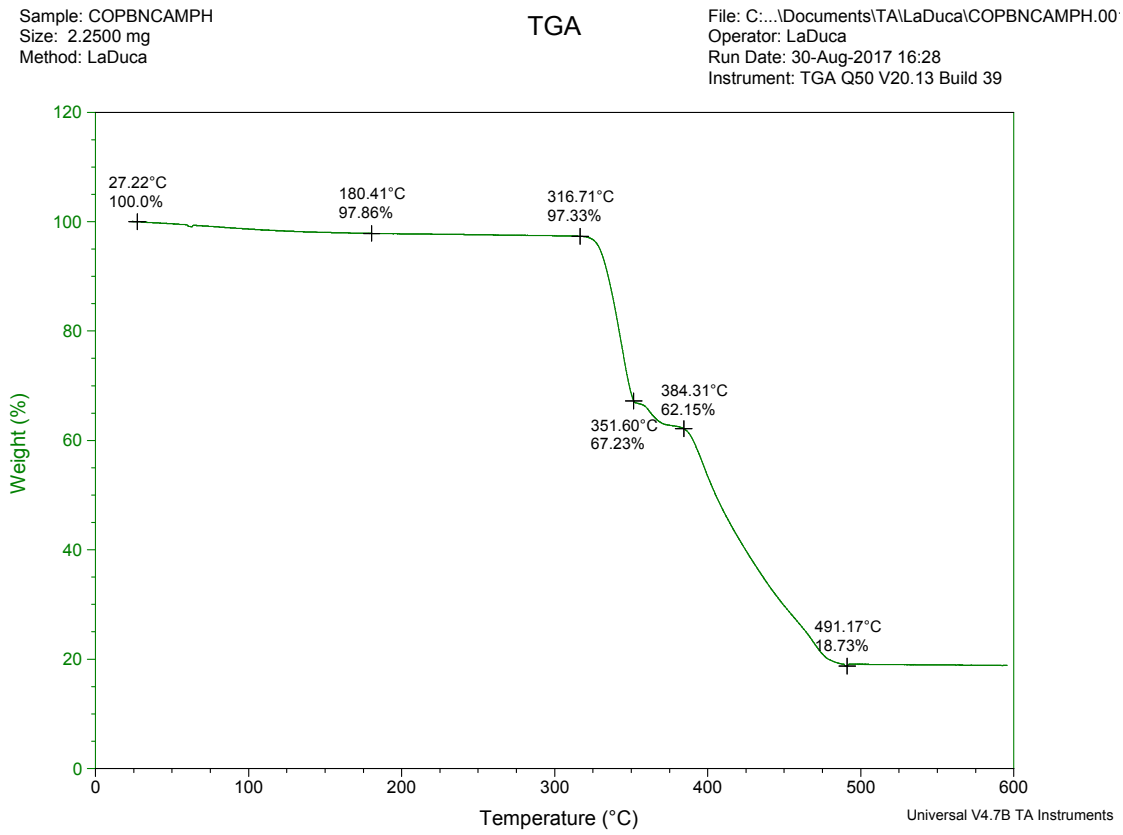

Fig. S4. TGA trace for **4**.

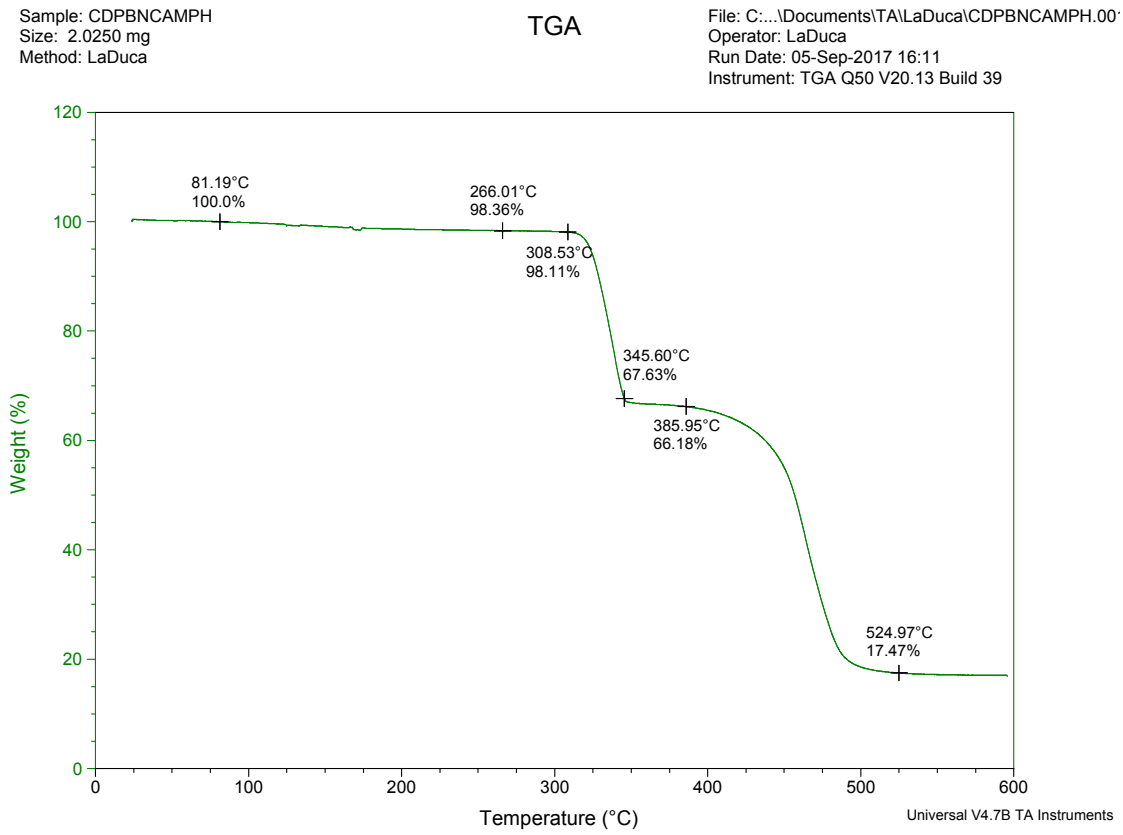

Fig. S5. TGA trace for **5**.

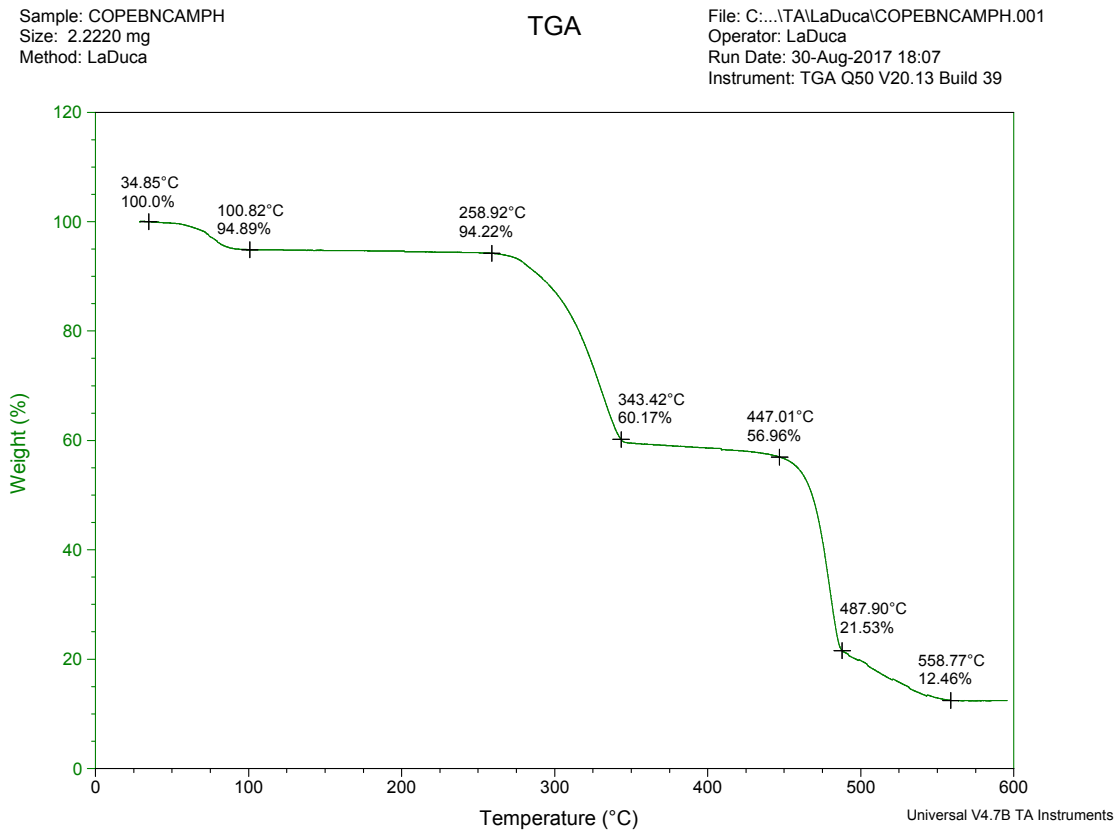

Fig. S6. Solid state emission spectra for **2** and **4**.

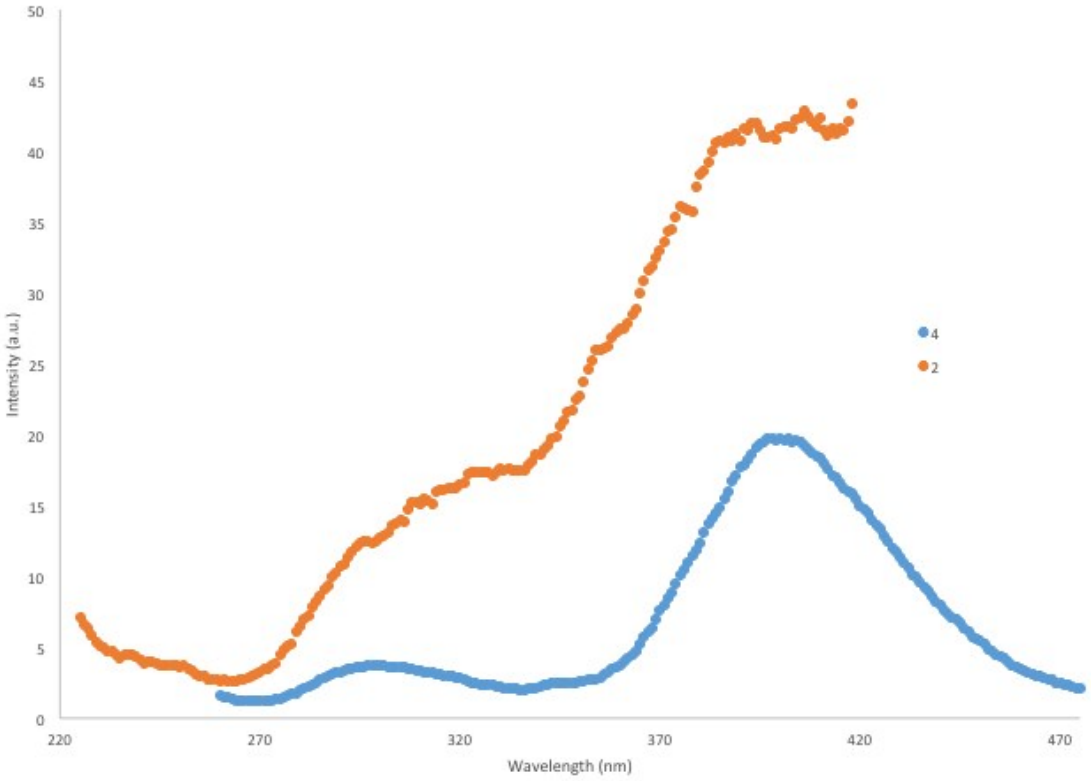

Fig. S7. Emission spectrum for an ethanol suspension of **4** in the presence of aliquots of 1 x 10^{-4} *M* nitrobenzene solution in DMSO.