STRUCTURAL SCIENCE
CRYSTAL ENGINEERING
MATERIALS

Volume 75 (2019)

Supporting information for article:

Influence of ligand positional isomerism on the molecular and supramolecular structures of cobalt(II)-phenylimidazole complexes

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Table S1 π···π stacking distances (Å) and angles (º) in complexes **1**–**8**.

Structure	Rings involved*	Distance between ring centroids	Perpendicular distance between ring planes	Centroid offset	Dihedral angle between ring mean-planes
1	C1–B2	3.715(3)	3.699(3)	0.347(9)	8.4(2)
	D2–A2^{i}	3.720(2)	3.423(3)	1.448(6)	4.9(1)
2	A2–A2^{ii}	3.771(3)	3.530(3)	1.327(5)	5.8(2)
	A1–A1^{iii}	3.515(2)	3.280(3)	1.265(5)	0.0
3	B2–A1^{iv}	3.871(2)	3.683(3)	1.191(6)	19.2(1)
4	–	–	–	–	–
5	B2–B2^{v}	3.899(5)	3.632(6)	1.419(9)	0.6(3)
6	A2–A2^{vi}	3.916(3)	3.654(4)	1.408(6)	4.4(2)
7	A2–A2^{vii}	3.709(2)	3.383(3)	1.519(4)	0.0
8	A2–A2^{viii}	3.710(2)	3.379(2)	1.531(3)	0.0

* C1: N1C to C5C; B2: C6B to C11B; D2: C6D to C11D; A2: C6A to C11A; A1: N1A to C5A.

Symmetry codes: (i) 3/2–x, y, –1/2+z; (ii) 1–x, y, 1/2–z; (iii) 1/2–x, 1/2–y, –z; (iv) x, 1/2–y,1/2+z; (v) 2–x, 1–y, z; (vi) –x, –y, z; (vii) –x, –y, 1–z; (viii) 1/2–x, 1/2–y, 1–z.

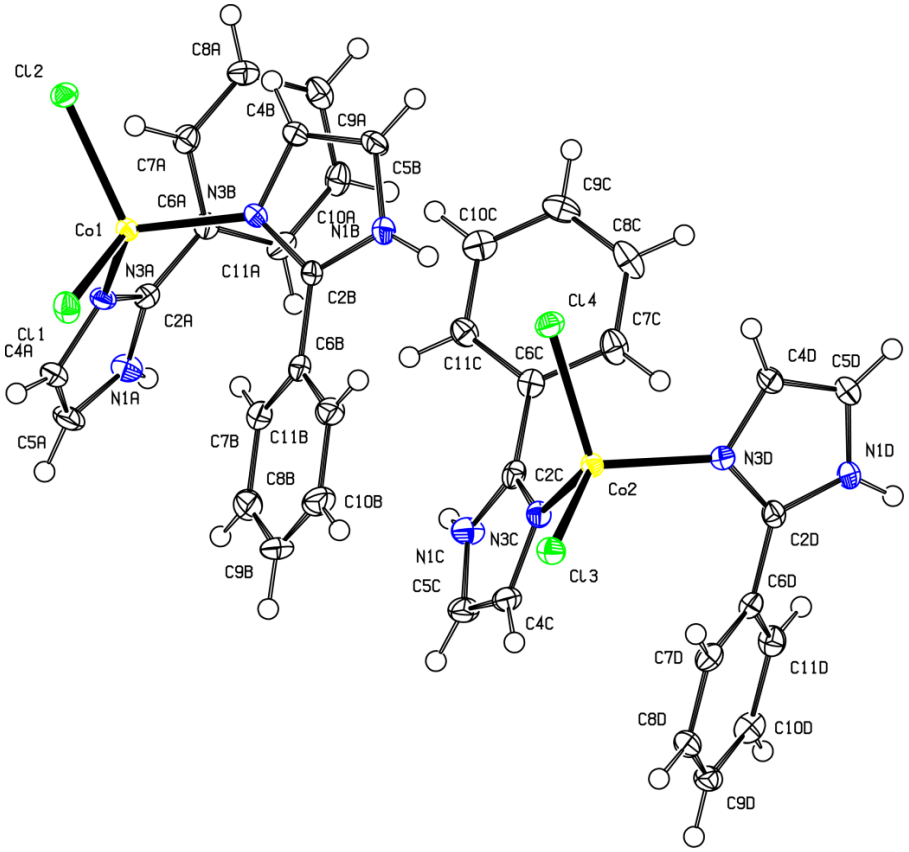

Figure S1 View of the asymmetric unit of compound **1** with atom labelling and displacement ellipsoids drawn at the 50% probability level.

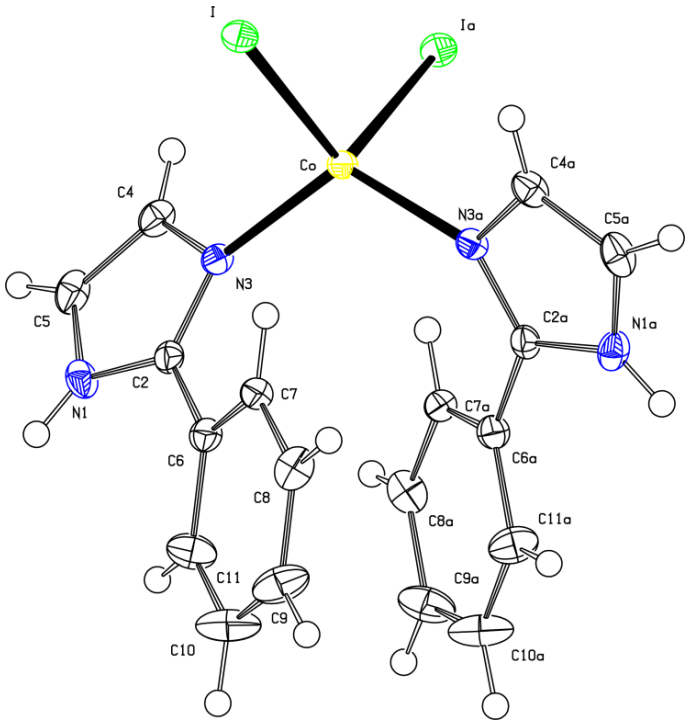

Figure S2 A view of the structure of compound **2** with atom labelling and displacement ellipsoids drawn at the 50% probability level. Symmetry code: (*a*) 1 − *x*, *y*, 1/2 − *z*.

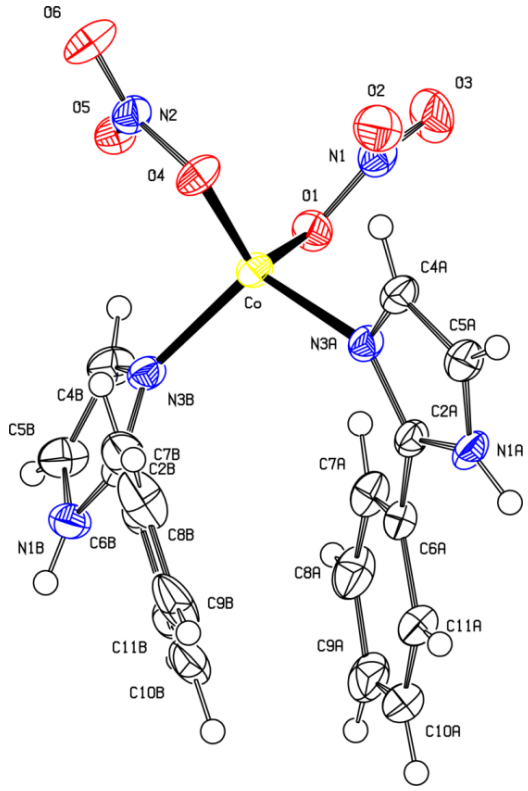

Figure S3 A view of the structure of compound **3** with atom labelling and displacement ellipsoids drawn at the 50% probability level.

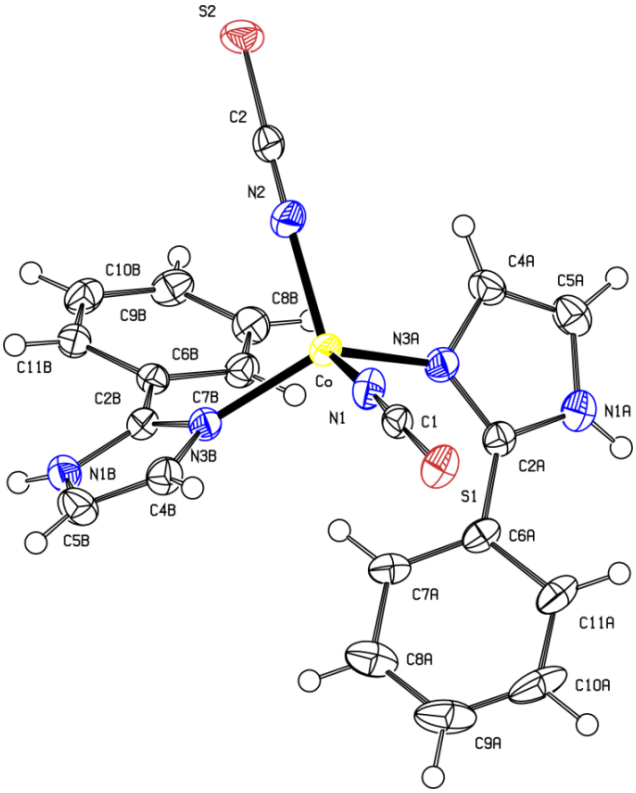

Figure S4 A view of the structure of compound **4** with atom labelling and displacement ellipsoids drawn at the 50% probability level.

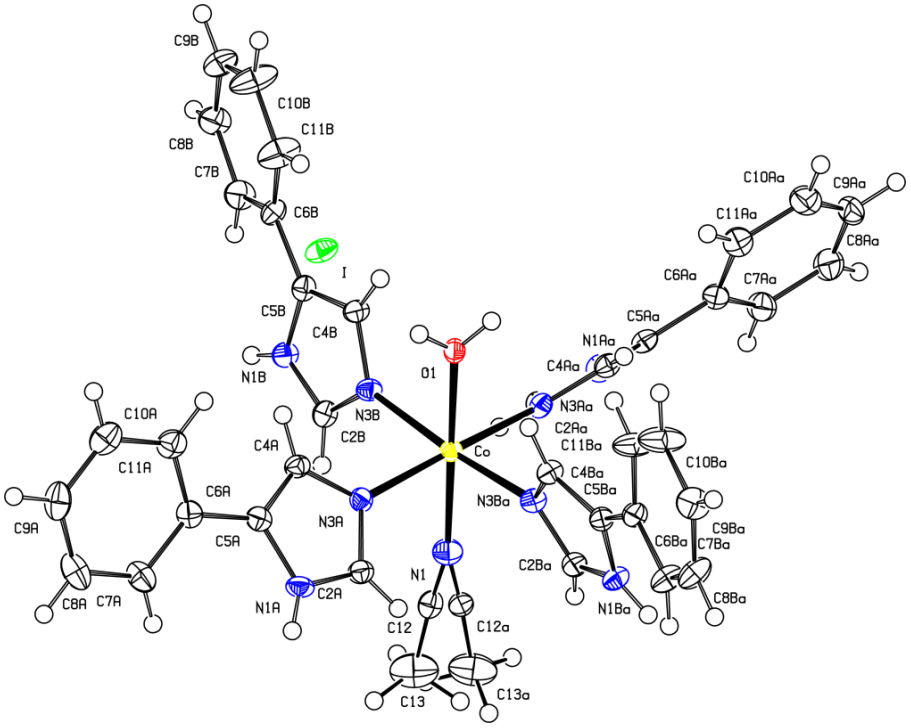

Figure S5 A view of the structure of compound **5** with atom labelling and displacement ellipsoids drawn at the 50% probability level. Symmetry code: (*a*) 1 − *x*, 1 − *y*, *z*. The disordered acetonitrile solvent molecule is shown with both orientations.

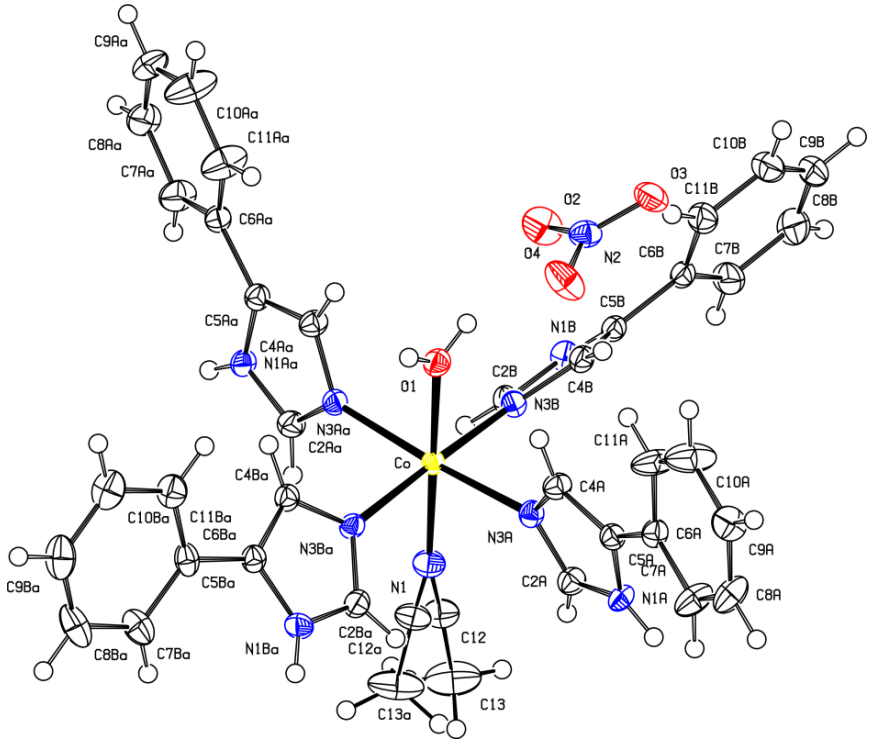

Figure S6 A view of the structure of compound **6** with atom labelling and displacement ellipsoids drawn at the 50% probability level. Symmetry code: (*a*) 1 − *x*, −*y*, *z*. The disordered acetonitrile solvent molecule is shown with both orientations.

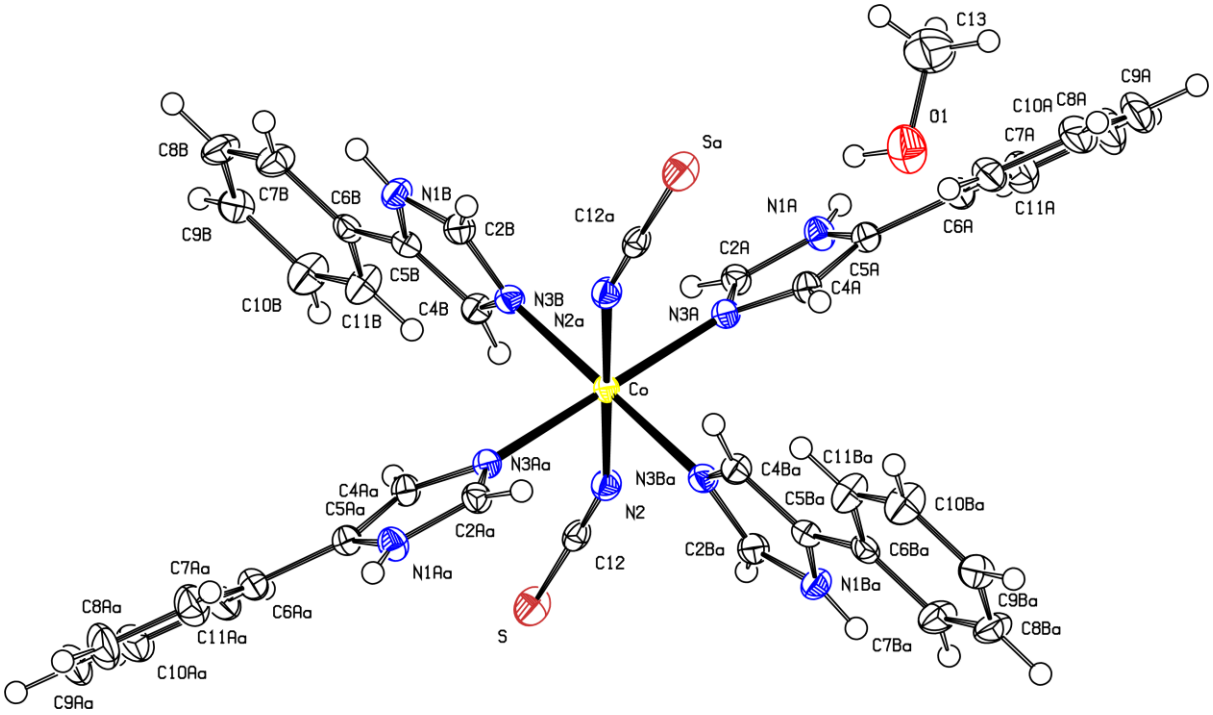

Figure S7 A view of the structure of compound **7**·MeOH with atom labelling and displacement ellipsoids drawn at the 50% probability level. Symmetry code: (*a*) 1 − *x*, −*y*, −*z*.

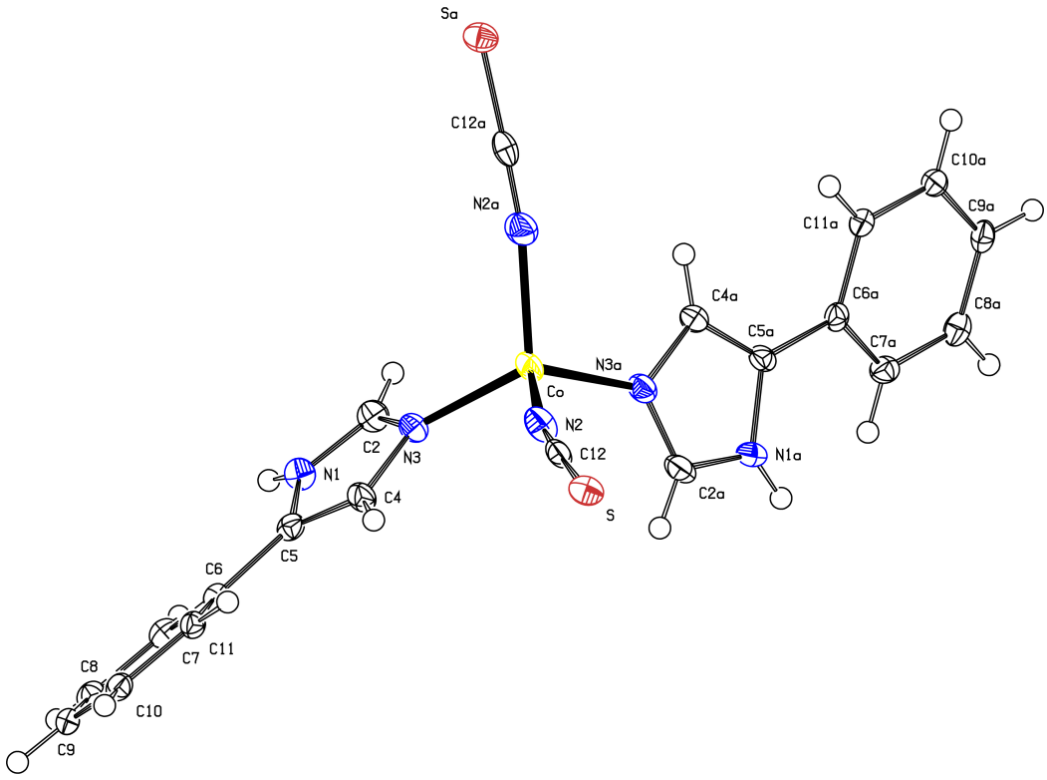

Figure S8 A view of the structure of compound **8** with atom labelling and displacement ellipsoids drawn at the 50% probability level. Symmetry code: (*a*) 1 − *x*, *y*, 3/2 − *z*.