

Supporting Information

Table 1S. Bond distances (Å) and angles (°) of complexes **3** and **5**

3				5			
Pd-Cl1	2.2754(7)	Cl1-Pd-Cl2	88.96(3)	Cu-N3	1.995(3)	N3-Cu-N2	78.51(10)
Pd-Cl2	2.2780(8)	Cl1-Pd-N1	177.28(6)	Cu-N2	2.088(3)	N3-Cu-Cl2	172.31(8)
Pd-N1	2.036(2)	Cl1-Pd-N3	97.80(6)	Cu-Cl2	2.2308(9)	N2-Cu-Cl2	94.97(7)
Pd-N3	2.044(2)	Cl2-Pd-N1	93.39(6)	Cu-Cl1	2.2509(10)	N3-Cu-Cl1	93.20(8)
O1-C12	1.382(4)	Cl2-Pd-N3	172.33(6)	Cu-Cl2 ⁱ	2.6727(10)	N2-Cu-Cl1	150.21(8)
O1-C13	1.397(3)	N1-Pd-N3	79.95(8)	Cl2-Cu ⁱ	2.6727(10)	Cl2-Cu-Cl1	94.48(4)
O2-C13	1.197(4)	C12-O1-C13	123.9(2)	O1-C16	1.374(4)	N3-Cu-Cl2 ⁱ	87.43(8)
N1-C1	1.345(3)	Pd-N1-C1	125.17(17)	O1-C15	1.387(4)	N2-Cu-Cl2 ⁱ	106.94(8)
N1-C5	1.333(3)	Pd-N1-C5	114.24(17)	O2-C16	1.201(4)	Cl2-Cu-Cl2 ⁱ	90.63(3)
N2-N3	1.402(3)	C1-N1-C5	119.2(2)	N1-C8	1.362(4)	Cl1-Cu-Cl2 ⁱ	101.14(3)
N2-C5	1.399(3)	N3-N2-C5	115.3(2)	N1-N2	1.392(4)	Cu-Cl2-Cu ⁱ	89.37(3)
N2-C6	1.359(3)	N3-N2-C6	110.2(2)	N1-C5	1.425(4)	C16-O1-C15	123.2(3)
N3-C15	1.333(4)	C5-N2-C6	133.5(2)	N2-C6	1.333(4)	C8-N1-N2	110.7(2)
C1-C2	1.378(4)	Pd-N3-N2	108.85(14)	N3-C5	1.336(4)	C8-N1-C5	131.7(3)
C2-C3	1.376(4)	Pd-N3-C15	141.22(18)	N3-C1	1.343(4)	N2-N1-C5	114.7(2)
C3-C4	1.373(4)	N2-N3-C15	106.8(2)	C1-C2	1.381(5)	C6-N2-N1	106.5(3)
C4-C5	1.391(4)	N1-C1-C2	121.3(2)	C2-C3	1.380(5)	C6-N2-Cu	143.0(2)
C6-C7	1.440(4)	C1-C2-C3	119.1(3)	C3-C4	1.384(5)	N1-N2-Cu	108.20(18)
C6-C14	1.380(4)	C2-C3-C4	120.0(3)	C4-C5	1.366(5)	C5-N3-C1	117.9(3)
C7-C8	1.407(4)	C3-C4-C5	117.8(3)	C6-C7	1.421(5)	C5-N3-Cu	117.4(2)
C7-C12	1.400(4)	N1-C5-N2	114.5(2)	C6-C9	1.479(5)	C1-N3-Cu	123.9(2)
C8-C9	1.381(4)	N1-C5-C4	122.3(3)	C7-C8	1.382(5)	N3-C1-C2	121.8(3)
C9-C10	1.380(5)	N2-C5-C4	122.9(2)	C7-C16	1.444(5)	C3-C2-C1	119.2(3)
C10-C11	1.366(6)	N2-C6-C7	131.7(3)	C8-C10	1.439(5)	C2-C3-C4	119.0(3)
C11-C12	1.396(4)	N2-C6-C14	106.2(2)	C10-C11	1.402(5)	C5-C4-C3	118.1(3)
C13-C14	1.441(4)	C7-C6-C14	122.0(2)	C10-C15	1.404(5)	N3-C5-C4	123.8(3)
C14-C15	1.412(4)	C6-C7-C8	127.5(3)	C11-C12	1.371(5)	N3-C5-N1	112.8(3)
C15-C16	1.475(4)	C6-C7-C12	114.5(3)	C12-C13	1.397(5)	C4-C5-N1	123.2(3)
		C8-C7-C12	117.8(3)	C13-C14	1.355(6)	N2-C6-C7	109.2(3)
		C7-C8-C9	120.1(3)	C14-C15	1.386(5)	N2-C6-C9	123.6(3)
		C8-C9-C10	120.4(3)			C7-C6-C9	127.1(3)
		C9-C10-C11	121.1(3)			C8-C7-C6	107.0(3)
		C10-C11-C12	118.9(3)			C8-C7-C16	121.6(3)
		O1-C12-C7	122.4(2)			C6-C7-C16	131.4(3)

O1-C12-C11	116.3(2)	N1-C8-C7	106.4(3)
C7-C12-C11	121.3(3)	N1-C8-C10	131.6(3)
O1-C13-O2	117.3(3)	C7-C8-C10	121.6(3)
O1-C13-C14	113.9(2)	C11-C10-C15	117.7(3)
O2-C13-C14	128.8(3)	C11-C10-C8	127.6(3)
C6-C14-C13	122.0(2)	C15-C10-C8	114.3(3)
C6-C14-C15	107.9(2)	C12-C11-C10	121.1(4)
C13-C14-C15	129.9(3)	C11-C12-C13	119.7(4)
N3-C15-C14	108.7(2)	C14-C13-C12	120.4(4)
N3-C15-C16	123.1(3)	C13-C14-C15	120.3(4)
C14-C15-C16	128.2(3)	C14-C15-O1	116.6(3)
		C14-C15-C1	120.6(3)
		O1-C15-C1	122.8(3)
		O2-C16-O1	117.8(3)
		O2-C16-C7	127.2(3)
		O1-C16-C7	115.0(3)