

Electronic Supplementary Material for CrystEngComm  
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**S1 Selected bond Lengths (Å) and angles (°) of complex 1**

Cu(1)–N(4)	1.916(2)	Cu(1)–O(3) <sup>#</sup>	2.005(2)
Cu(1)–N(1)	1.973(2)	Cu(1)–N(5)	2.036(3)
Cu(1)–O(5)	2.515(3)	Cu(1)–O(7) <sup>*</sup>	2.665(7)
N(4)–Cu(1)–N(1)	175.64(10)	N(4)–Cu(1)–N(5)	82.26(10)
N(4)–Cu(1)–O(3) <sup>#</sup>	83.80(8)	N(1)–Cu(1)–N(5)	97.99(10)
N(1)–Cu(1)–O(3) <sup>#</sup>	95.91(8)	O(3) <sup>#</sup> –Cu(1)–N(5)	166.05(8)
O(5)–Cu(1)–O(7) <sup>*</sup>	174.0(2)	O(5)–Cu(1)–N(1)	85.13(14)
O(5)–Cu(1)–N(4)	99.21(14)	N(1)–Cu(1)–O(7) <sup>*</sup>	94.29(16)
N(4)–Cu(1)–O(7) <sup>*</sup>	81.36(16)	O(3) <sup>#</sup> –Cu(1)–O(7) <sup>*</sup>	83.6(2)
N(5)–Cu(1)–O(7) <sup>*</sup>	94.1(2)	O(3) <sup>#</sup> –Cu(1)–O(5)	90.45(11)
N(5)–Cu(1)–O(5)	91.93(12)		

Symmetry codes: <sup>#</sup>: -x, -y + 1, -z + 1, <sup>\*</sup>: -x, y + 1/2, -z + 1/2

**S2 Selected bond Lengths (Å) and angles (°) of complex 2**

Cu(1)–N(4)	1.9687(14)	Cu(2)–N(10)	1.9612(14)
Cu(1)–O(3) <sup>#1</sup>	1.9696(13)	Cu(2)–O(6) <sup>#2</sup>	1.9703(13)
Cu(1)–N(5)	1.9898(15)	Cu(2)–N(9)	1.9950(15)
Cu(1)–N(1)	2.0256(15)	Cu(2)–N(6)	2.0110(15)
Cu(1)–O(5)	2.5532(15)	Cu(2)–O(2)	2.6644(16)
		Cu(2)–O(7)	2.711(2)
N(4)–Cu(1)–O(3) <sup>#1</sup>	83.79(6)	N(10)–Cu(2)–O(6) <sup>#2</sup>	84.09(5)
N(4)–Cu(1)–N(5)	93.66(6)	N(10)–Cu(2)–N(9)	94.42(6)
O(3) <sup>#1</sup> –Cu(1)–N(5)	173.16(6)	O(6) <sup>#2</sup> –Cu(2)–N(9)	174.66(6)
N(4)–Cu(1)–N(1)	170.69(6)	N(10)–Cu(2)–N(6)	173.41(5)
O(3) <sup>#1</sup> –Cu(1)–N(1)	88.51(6)	O(6) <sup>#2</sup> –Cu(2)–N(6)	89.36(6)
N(5)–Cu(1)–N(1)	93.40(6)	N(9)–Cu(2)–N(6)	92.17(6)
N(4)–Cu(1)–O(5)	96.68(5)	N(10)–Cu(2)–O(2)	102.66(6)
O(3) <sup>#1</sup> –Cu(1)–O(5)	100.48(5)	O(6) <sup>#2</sup> –Cu(2)–O(2)	95.00(5)
N(5)–Cu(1)–O(5)	86.10(6)	N(9)–Cu(2)–O(2)	80.31(6)
N(1)–Cu(1)–O(5)	89.86(5)	N(6)–Cu(2)–O(2)	78.54(6)
O(6) <sup>#2</sup> –Cu(2)–O(7)	102.00(6)	N(10)–Cu(2)–O(7)	90.38(6)
N(9)–Cu(2)–O(7)	83.11(7)	N(6)–Cu(2)–O(7)	90.32(6)
O(2)–Cu(2)–O(7)	159.59(5)		

Symmetry codes: <sup>#1</sup>: -x + 3, -y, -z + 1, <sup>#2</sup>: -x + 2, -y + 2, -z