Electronic Supplementary Material (ESI) for Dalton Transactions.

Supporting Information

Evaluation of the metal-dependent cytotoxic behaviour of coordination compounds

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Table S1. Crystal data and structure refinement for **$[Cu(L)Cl_2]_2$**

Compound	
Empirical formula	$C_{26}H_{24}Cl_4Cu_2N_4$
Formula weight (g mol^{-1})	661.37
Temperature (K)	150(2)
Crystal system	triclinic
Space group	*P*–1
Crystal size (mm^3)	0.45 × 0.40 × 0.20
a (Å)	8.1238(5)
b (Å)	8.7699(5)
c (Å)	10.6962(6)
α (°)	78.201(5)
β (°)	72.412(5)
γ (°)	66.904(5)
V (Å^3)	664.99(7)
Z	1
ρ_{calcd}	1.652
μ (mm^{-1})	2.025
F(000)	334
ϑ for data collection (°)	3.026–30.312
Reflections collected / unique	6693 / 3463
Completeness to theta	0.998
Data / restraints / parameters	3463 / 0 / 163
Goodness-of-fit on F^2	1.070
Final *R* indices [$I>2\sigma(I)$]	R1 = 0.0277, wR2 = 0.0620
R indices (all data)	R1 = 0.0336, wR2 = 0.0659
largest diff. peak and hole (*e* Å^3)	0.359 and –0.550

Figure S1. Representation of the molecular structure of **[Cu(L)Cl$_2$]$_2$** with partial atom-numbering scheme. Symmetry operation: a = 1–x, –y, 1–z

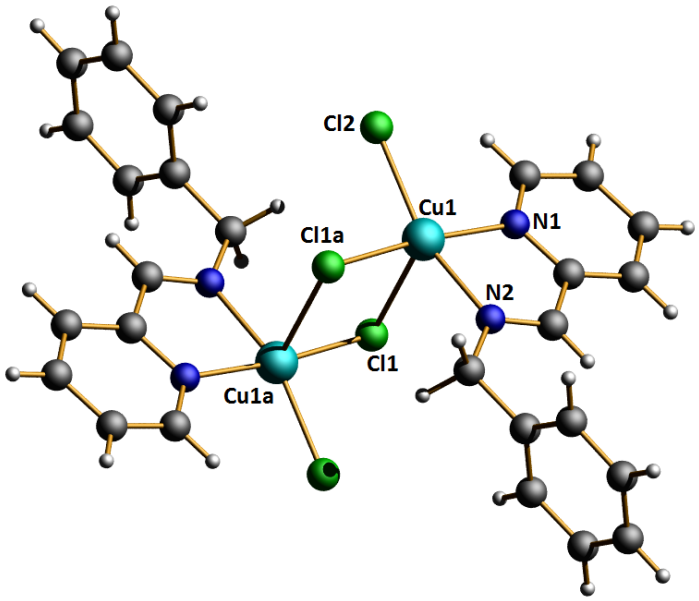

Table S2. Selected bond lengths (Å) and angles (°) for square-pyramidal complex **[Cu(L)Cl$_2$]$_2$**. Symmetry operation: a = 1–x, –y, 1–z

Distances	
Cu1–N1	2.026(1)
Cu1–N2	2.046(2)
Cu1–Cl1	2.667(1)
Cu1–Cl2	2.261(1)
Cu1–Cl1a	2.263(1)
Cu1···Cu1a	3.484(1)
Angles	
N1–Cu1–N2	80.10(6)
N2–Cu1–Cl1a	93.22(4)
Cl1a–Cu1–Cl2	93.75(2)
Cl2–Cu1–N1	92.66(5)
Cu1–Cl1–Cu1a	89.55(2)