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SUPPLEMENTARY MATERIAL

Syntheses and characterization of 2-acetylpyridine-aminoguanidine and its copper(II) complexes: Crystallographical and antimicrobial study

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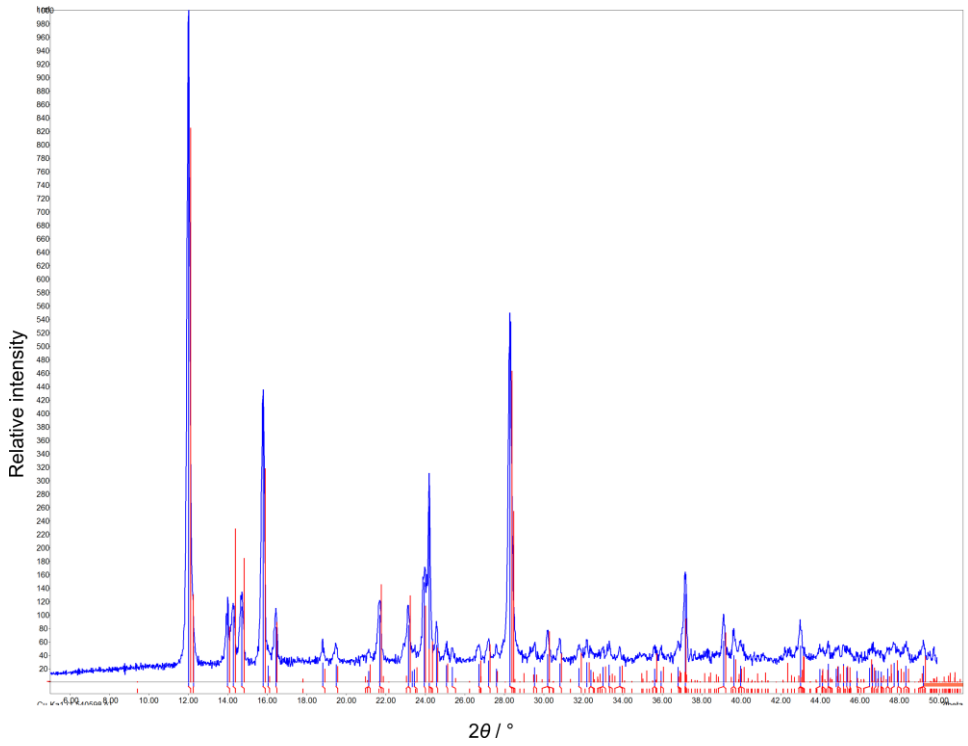

Fig. S1. Match between experimental powder diffraction pattern (blue line) of the batch sample (obtained by reaction of $CuCl_2$ and HL) with calculated peak positions for polymorph **1** (red lines).

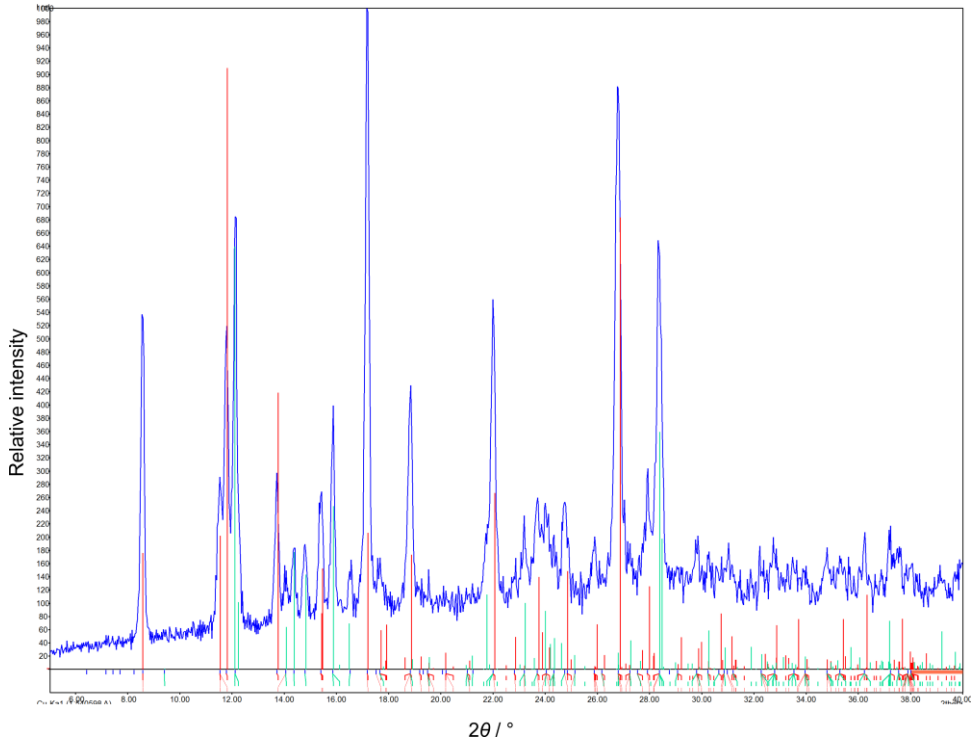

Fig. S2. Match between experimental powder diffraction pattern (blue line) of the batch sample (obtained by reaction of $Cu(OAc)_2$ and HL) with calculated peak positions for polymorph **1** (green lines) and **1a** (red lines).

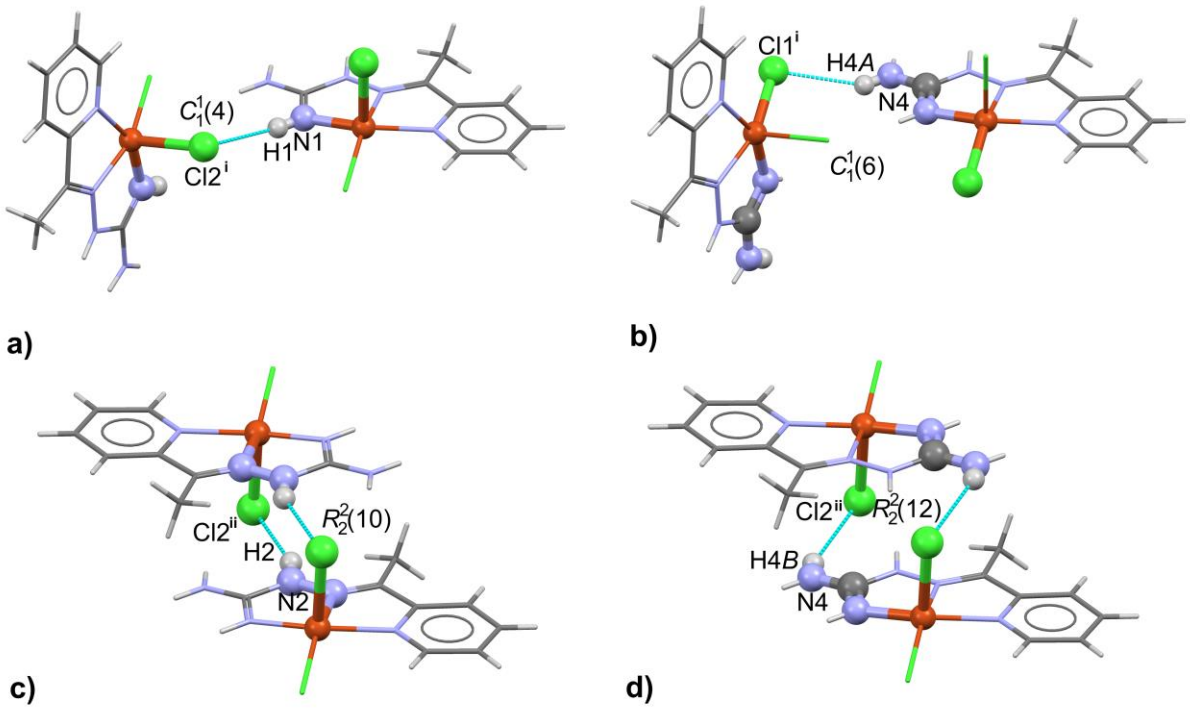

Fig. S3. Depictions of hydrogen bonds and corresponding motifs in crystal structure of the **1**. Symmetry codes: (i) −*x*+2, *y*+1/2, −*z*+3/2; (ii) −*x*+2, −*y*+1, −*z*+1.

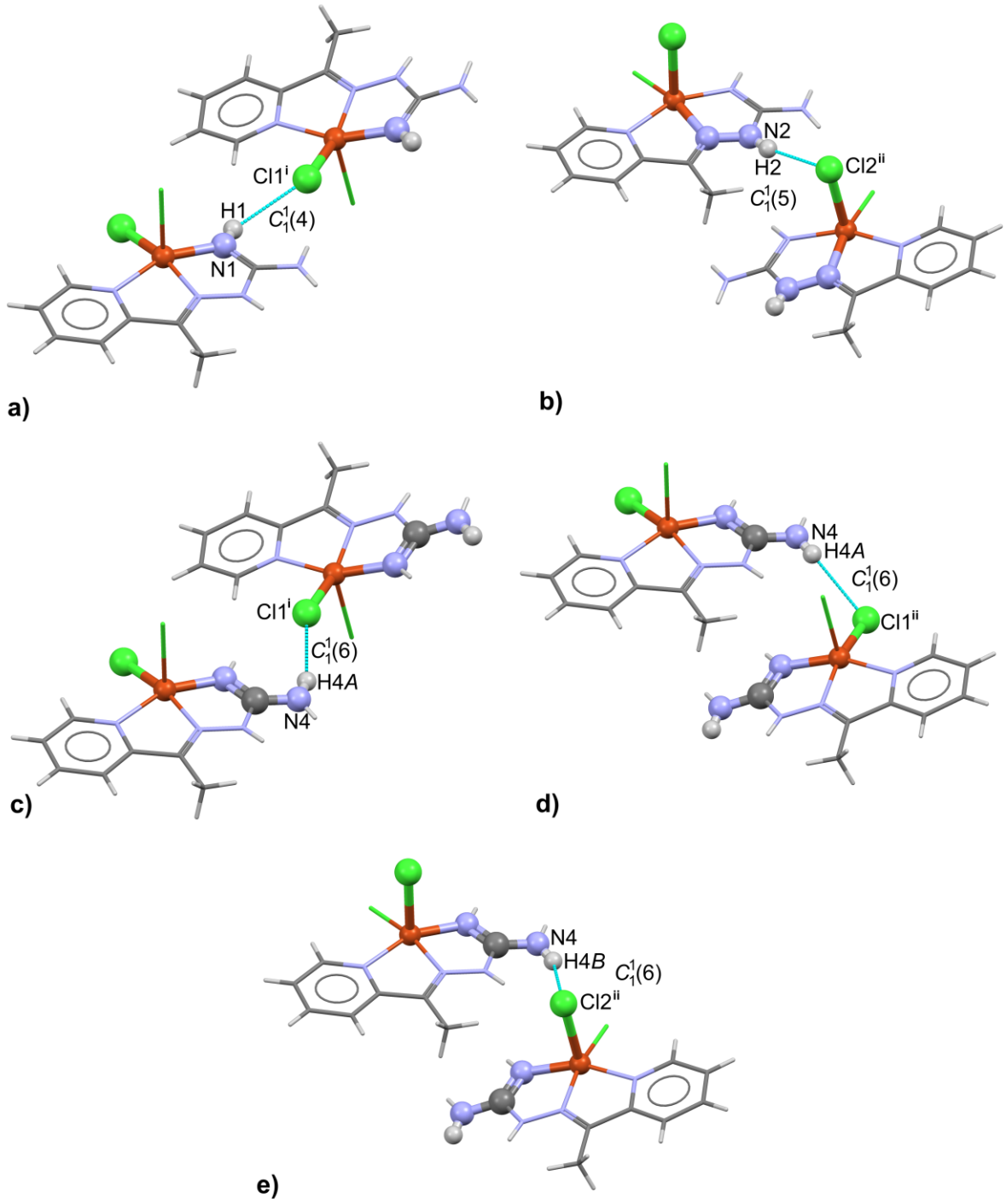

Fig. S4. Depictions of hydrogen bonds and corresponding motifs in crystal structure of the **1a**. Symmetry codes: (i) −*x*+1, *y*+1/2, −*z*+1/2; (ii) *x*, −*y*+3/2, *z*+1/2.

Table S1. Hydrogen-bond geometry of the form **1** (Å, º)

D—H···*A*	*D*—H	H···*A*	*D*···*A*	*D*—H···*A*	Graph set descriptor
N1—H1···Cl2^{i}	0.83(2)	2.48(2)	3.2904(18)	168(2)	$C_1^1(4)$
N2—H2···Cl2^{ii}	0.85(2)	2.36(2)	3.1574(18)	155(2)	$R_2^2(10)$
N4—H4*B*···Cl2^{ii}	0.84(2)	2.55(2)	3.276(2)	145(2)	$R_2^2(12)$
N4—H4*A*···Cl1^{i}	0.82(2)	2.69(2)	3.426(2)	151(2)	$C_1^1(6)$

Symmetry codes: (i) −*x*+2, *y*+1/2, −*z*+3/2; (ii) −*x*+2, −*y*+1, −*z*+1.

Table S2. Hydrogen-bond geometry of the form **1a** (Å, º)

D—H···*A*	*D*—H	H···*A*	*D*···*A*	*D*—H···*A*	Graph set descriptor
N1—H1···Cl1^{i}	0.82(2)	2.85(2)	3.5601(17)	146(2)	$C_1^1(4)$
N2—H2···Cl2^{ii}	0.83(2)	2.27(2)	3.0778(16)	165(2)	$C_1^1(5)$
N4—H4*A*···Cl1^{i}	0.88(2)	2.42(2)	3.2394(18)	155(2)	$C_1^1(6)$
N4—H4*B*···Cl1^{ii}	0.82(2)	2.85(2)	3.483(2)	136(2)	$C_1^1(6)$
N4—H4*B*···Cl2^{ii}	0.82(2)	2.79(2)	3.4506(19)	139(2)	$C_1^1(6)$

Symmetry codes: (i) −*x*+1, *y*+1/2, −*z*+1/2; (ii) *x*, −*y*+3/2, *z*+1/2.