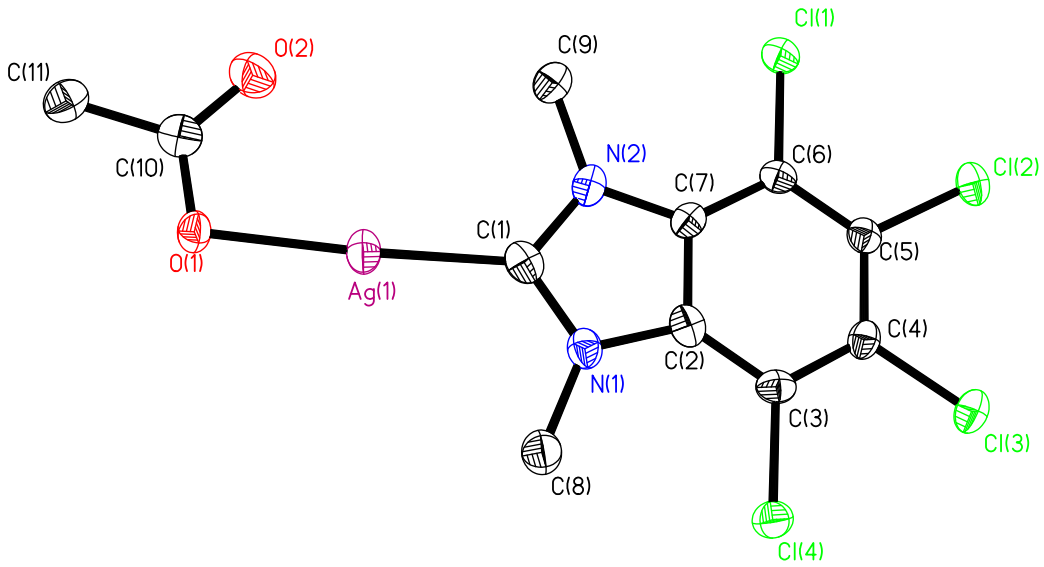

Asymmetric unit of C_{11} H_9 Ag Cl_4 N_2 O_2 with thermal ellipsoids drawn to 50% probability.

Table 1. Crystal data and structure refinement for bw.

Identification code	bw	
Empirical formula	C11 H9 Ag Cl4 N2 O2	
Formula weight	450.87	
Temperature	100(2) K	
Wavelength	0.71073 Å	
Crystal system	Monoclinic	
Space group	P2(1)	
Unit cell dimensions	a = 8.404(2) Å	α= 90°.
	b = 5.5910(16) Å	β= 101.844(4)°.
	c = 15.250(5) Å	γ = 90°.
Volume	701.3(4) $Å^3$	
Z	2	
Density (calculated)	2.135 Mg/m^3	
Absorption coefficient	2.198 mm^{-1}	
F(000)	440	
Crystal size	0.60 x 0.02 x 0.02 mm^3	
Theta range for data collection	1.36 to 26.28°.	
Index ranges	-10<=h<=10, -6<=k<=6, -18<=l<=19	
Reflections collected	5411	

Independent reflections	2767 [R(int) = 0.0427]
Completeness to theta = 26.28°	99.7 %
Absorption correction	Semi-empirical from equivalents
Max. and min. transmission	0.9574 and 0.5167
Refinement method	Full-matrix least-squares on F^2
Data / restraints / parameters	2767 / 1 / 184
Goodness-of-fit on F^2	0.999
Final R indices [I>2sigma(I)]	R1 = 0.0367, wR2 = 0.0809
R indices (all data)	R1 = 0.0415, wR2 = 0.0833
Absolute structure parameter	0.02(4)
Largest diff. peak and hole	1.029 and -0.420 e.$Å^{-3}$

Table 2. Atomic coordinates (x 10^4) and equivalent isotropic displacement parameters (Å^{2}x 10^3) for bw. U(eq) is defined as one third of the trace of the orthogonalized U^{ij} tensor.

	x	y	z	U(eq)
Ag(1)	9190(1)	6896(1)	3840(1)	27(1)
Cl(1)	5923(2)	14157(3)	808(1)	28(1)
Cl(2)	8043(2)	18274(3)	262(1)	28(1)
Cl(4)	13365(2)	14944(3)	2563(1)	29(1)
Cl(3)	11738(2)	18556(3)	1082(1)	28(1)
C(5)	8907(6)	16196(9)	1064(4)	22(1)
C(1)	9348(7)	9779(10)	3001(4)	25(1)
N(2)	8119(6)	10797(8)	2381(3)	24(1)
N(1)	10701(6)	11103(8)	2976(3)	25(1)
C(4)	10585(6)	16364(9)	1435(4)	23(1)
C(2)	10350(7)	12982(10)	2361(4)	23(1)
C(8)	12284(7)	10551(11)	3544(4)	32(1)
C(7)	8674(7)	12777(10)	1985(4)	21(1)
C(6)	7951(6)	14400(10)	1318(3)	21(1)
C(3)	11318(6)	14759(10)	2086(4)	23(1)
O(1)	8882(5)	3650(7)	4548(3)	26(1)
O(2)	6398(5)	4226(8)	3749(3)	41(1)
C(9)	6453(6)	9885(11)	2241(4)	26(1)
C(10)	7378(7)	3063(11)	4298(4)	28(1)
C(11)	6839(7)	832(11)	4720(4)	31(1)

Table 3. Bond lengths [Å] and angles [°] for bw.

Ag(1)-C(1)	2.079(6)
Ag(1)-O(1)	2.155(4)
Cl(1)-C(6)	1.727(5)
Cl(2)-C(5)	1.734(6)
Cl(4)-C(3)	1.728(5)
Cl(3)-C(4)	1.716(5)
C(5)-C(6)	1.390(7)
C(5)-C(4)	1.412(7)
C(1)-N(1)	1.364(7)
C(1)-N(2)	1.372(7)
N(2)-C(7)	1.388(7)
N(2)-C(9)	1.463(7)
N(1)-C(2)	1.399(7)
N(1)-C(8)	1.464(7)
C(4)-C(3)	1.385(8)
C(2)-C(3)	1.402(8)
C(2)-C(7)	1.412(8)
C(7)-C(6)	1.404(8)
O(1)-C(10)	1.285(7)
O(2)-C(10)	1.232(7)
C(10)-C(11)	1.515(8)
C(1)-Ag(1)-O(1)	172.28(19)
C(6)-C(5)-C(4)	121.5(5)
C(6)-C(5)-Cl(2)	119.9(4)
C(4)-C(5)-Cl(2)	118.5(4)
N(1)-C(1)-N(2)	105.6(5)
N(1)-C(1)-Ag(1)	126.6(4)
N(2)-C(1)-Ag(1)	127.7(4)
C(1)-N(2)-C(7)	111.0(5)
C(1)-N(2)-C(9)	121.2(5)
C(7)-N(2)-C(9)	127.7(5)
C(1)-N(1)-C(2)	111.3(5)
C(1)-N(1)-C(8)	122.1(5)

C(2)-N(1)-C(8)	126.6(5)
C(3)-C(4)-C(5)	120.3(5)
C(3)-C(4)-Cl(3)	119.4(4)
C(5)-C(4)-Cl(3)	120.3(4)
N(1)-C(2)-C(3)	132.6(5)
N(1)-C(2)-C(7)	105.5(5)
C(3)-C(2)-C(7)	121.8(5)
N(2)-C(7)-C(6)	134.2(5)
N(2)-C(7)-C(2)	106.5(5)
C(6)-C(7)-C(2)	119.3(5)
C(5)-C(6)-C(7)	118.7(5)
C(5)-C(6)-Cl(1)	120.3(4)
C(7)-C(6)-Cl(1)	121.0(4)
C(4)-C(3)-C(2)	118.3(5)
C(4)-C(3)-Cl(4)	121.4(4)
C(2)-C(3)-Cl(4)	120.4(4)
C(10)-O(1)-Ag(1)	106.2(4)
O(2)-C(10)-O(1)	123.1(6)
O(2)-C(10)-C(11)	120.4(6)
O(1)-C(10)-C(11)	116.5(5)

Symmetry transformations used to generate equivalent atoms:

Table 4. Anisotropic displacement parameters ($Å^2 x\ 10^3$) for bw. The anisotropic displacement factor exponent takes the form: $-2\pi^2[\ h^2\ a^{*2}U^{11} + ...\ + 2\ h\ k\ a^*\ b^*\ U^{12}\ ]$

	U^{11}	U^{22}	U^{33}	U^{23}	U^{13}	U^{12}
Ag(1)	34(1)	22(1)	27(1)	4(1)	12(1)	3(1)
Cl(1)	25(1)	29(1)	30(1)	3(1)	2(1)	1(1)
Cl(2)	36(1)	23(1)	24(1)	4(1)	6(1)	4(1)
Cl(4)	23(1)	26(1)	37(1)	-2(1)	6(1)	-1(1)
Cl(3)	35(1)	24(1)	29(1)	1(1)	12(1)	-5(1)
C(5)	24(3)	19(3)	23(3)	-4(2)	7(2)	2(2)
C(1)	32(3)	22(3)	22(3)	-5(2)	7(2)	6(3)
N(2)	32(3)	19(2)	23(3)	-2(2)	13(2)	-1(2)
N(1)	29(3)	21(3)	25(3)	2(2)	9(2)	3(2)
C(4)	28(3)	20(4)	21(3)	1(2)	9(2)	-2(2)
C(2)	32(3)	19(3)	17(3)	-5(2)	6(2)	4(2)
C(8)	35(3)	28(3)	30(3)	2(3)	2(3)	-2(3)
C(7)	24(3)	21(3)	21(3)	-3(2)	9(2)	-2(2)
C(6)	21(3)	24(3)	18(3)	-2(2)	6(2)	3(2)
C(3)	20(3)	25(3)	23(3)	-6(2)	6(2)	2(2)
O(1)	30(2)	26(2)	21(2)	5(2)	6(2)	-2(2)
O(2)	35(2)	42(3)	42(3)	6(2)	-3(2)	-1(2)
C(9)	30(3)	25(3)	25(3)	-4(3)	8(2)	-4(3)
C(10)	31(3)	30(3)	23(3)	-7(3)	4(3)	0(3)
C(11)	32(3)	25(3)	36(4)	-7(3)	9(3)	-5(3)

Table 5. Hydrogen coordinates (x 10^4) and isotropic displacement parameters ($Å^2$x 10^3) for bw.

	x	y	z	U(eq)
H(8A)	12169	9210	3940	47
H(8B)	12690	11956	3906	47
H(8C)	13053	10118	3167	47
H(9A)	6429	8445	2604	40
H(9B)	6070	9493	1606	40
H(9C)	5745	11108	2418	40
H(11A)	6090	1275	5108	46
H(11B)	7791	25	5077	46
H(11C)	6287	-248	4248	46

Electronic Supplementary Material (ESI) for Dalton Transactions