Table S1. Crystallographic data and X-ray experimental conditions, for $1 \cdot C_3H_6O$ and $2 \cdot C_3H_6O$

Compound	$1 \cdot C_3H_6O$	$2 \cdot C_3H_6O$
	A. Crystal Data	
Empirical Formula	$PtCdN_6O_9Cl_2C_{33}H_{42}$	$PtCdN_6Cl_2O_8C_{20}H_{34}$
Formula Weight	1045.14	864.93
Crystal Color, Habit	yellow, prismatic	yellow, prismatic
Crystal Dimensions	0.30 × 0.25 × 0.10 mm	0.30 × 0.22 × 0.05 mm
Crystal System	monoclinic	monoclinic
Lattice Type	Primitive	C-centered
Lattice Parameters	a = 13.352(1)Å b = 14.035(1) Å c = 20.269(2) Å β = 106.599(2)° V = 3640.0(6) Å^3	a = 20.966(2)Å b = 11.314(1) Å c = 16.582(2) Å β = 120.944(2)° V = 3373.7(5) Å^3
Space Group	$P2_1/n$ (#14)	C2 (#5)
Z value	4	4
D_{calc}	1.907 g/cm^3	1.703 g/cm^3
F_{000}	2056.00	1680.00
μ(MoKα)	46.17 cm^{-1}	49.60 cm^{-1}
	B. Intensity Measurements	
Diffractometer	SMART1000	SMART1000
Radiation	MoKα (λ = 0.71073 Å) graphite monochromated	MoKα (λ = 0.71073 Å) graphite monochromated
Crystal to Detector Distance	50 mm	50 mm
Temperature	-60.0°C	r.t.
Scan Type	ω	ω
$2\theta_{max}$	55.2°	55.0°
No. of Refn. Measured	Total: 8290	Total: 6231
Corrections	Lorentz-polarization	Lorentz-polarization
	C. Structure Solution and Refineme	
Structure Solution	Direct Methods (SIR92)	Patterson Methods (DIRDIF92 PATTY)
Refinement	Full-matrix LS (SHELXL-93)	Full-matrix LS (SHELXL-93)
Function Minimized	$\Sigma w (Fo^2 - Fc^2)^2$	$\Sigma w (Fo^2 - Fc^2)^2$
Least Squares Weights	$w = [\sigma^2(Fo^2) + (0.1P)^2]^{-1}$ where $P = (Fo^2 + 2Fc^2)/3$	$w = [\sigma^2(Fo^2) + (0.0453P)^2]^{-1}$ where $P = (Fo^2 + 2Fc^2)/3$
No. Observations (I>2σ(I))	4875	4472
No. Variables	469	380
Reflection/Parameter Ratio	10.39	11.77
Residuals: R; Rw	0.051 ; 0.145	0.037 ; 0.088
Goodness of Fit Indicator	0.78	0.94

Table S2. Atomic Positional parameters and B(eq) for **1**·C_3H_6O

atom	x	y	z	B_{eq}
Pt	0.48981(3)	0.08946(2)	0.55487(2)	1.889(9)
Cd	0.48314(5)	0.21979(5)	0.64736(3)	2.14(1)
Cl(1)	0.2314(2)	0.4357(2)	0.4095(1)	2.86(5)
Cl(2)	0.1239(2)	0.0563(2)	0.7041(1)	3.02(5)
O(1)	0.2508(9)	0.3462(6)	0.4423(4)	6.9(3)
O(2)	0.2368(7)	0.4278(6)	0.3400(4)	4.2(2)
O(3)	0.1305(8)	0.4657(10)	0.4080(5)	8.0(3)
O(4)	0.3035(8)	0.5045(7)	0.4456(5)	6.6(3)
O(5)	0.127(1)	0.1020(8)	0.6445(5)	9.2(4)
O(6)	0.0824(9)	0.120(1)	0.7416(6)	9.7(4)
O(7)	0.2258(7)	0.0336(7)	0.7431(6)	7.5(3)
O(8)	0.0615(9)	-0.0257(7)	0.6869(5)	7.6(3)
O(9)	0.3602(9)	0.2379(7)	0.9261(4)	6.1(2)
N(1)	0.5066(6)	0.1822(6)	0.4750(4)	2.1(1)
N(2)	0.3261(6)	0.0628(5)	0.5228(4)	2.1(1)
N(3)	0.5904(10)	0.2289(7)	0.7596(5)	5.5(3)
N(4)	0.3649(9)	0.1991(7)	0.7090(7)	5.5(3)
N(5)	0.351(1)	0.3311(7)	0.5983(5)	5.9(3)
N(6)	0.5753(9)	0.3611(7)	0.6460(6)	5.1(3)
C(1)	0.6412(8)	0.1238(7)	0.5888(5)	2.3(2)
C(2)	0.7222(8)	0.0812(7)	0.6414(5)	3.0(2)
C(3)	0.8220(8)	0.1221(8)	0.6639(5)	3.3(2)
C(4)	0.8446(8)	0.2043(8)	0.6359(6)	3.3(2)
C(5)	0.7684(8)	0.2463(7)	0.5811(5)	2.6(2)
C(6)	0.6697(8)	0.2038(6)	0.5573(5)	2.3(2)
C(7)	0.5943(8)	0.2335(7)	0.4934(5)	2.4(2)
C(8)	0.6112(8)	0.3034(7)	0.4486(5)	2.8(2)
C(9)	0.5397(9)	0.3154(7)	0.3842(5)	2.9(2)
C(10)	0.4537(9)	0.2584(7)	0.3660(6)	3.4(2)
C(11)	0.4401(8)	0.1921(7)	0.4116(5)	2.5(2)
C(12)	0.4737(8)	0.0033(7)	0.6328(5)	2.4(2)
C(13)	0.5408(8)	-0.0077(6)	0.6998(5)	2.5(2)
C(14)	0.5195(9)	-0.0723(7)	0.7444(5)	3.0(2)
C(15)	0.4291(9)	-0.1237(7)	0.7263(5)	3.1(2)
C(16)	0.3570(8)	-0.1096(7)	0.6625(5)	2.8(2)
C(17)	0.3776(7)	-0.0424(6)	0.6167(4)	2.1(2)
C(18)	0.2979(8)	-0.0133(6)	0.5542(5)	2.1(2)
C(19)	0.1980(9)	-0.0498(7)	0.5304(6)	3.0(2)
C(20)	0.1257(9)	-0.0071(8)	0.4768(5)	3.2(2)
C(21)	0.1508(8)	0.0758(8)	0.4503(5)	3.1(2)
C(22)	0.2521(8)	0.1096(7)	0.4744(5)	2.5(2)
C(23)	0.534(2)	0.248(1)	0.8033(6)	7.8(5)
C(24)	0.440(1)	0.1823(9)	0.7872(6)	5.0(3)
C(25)	0.305(1)	0.278(1)	0.7070(9)	5.8(3)
C(26)	0.2621(10)	0.304(1)	0.6314(7)	5.5(3)
C(27)	0.387(2)	0.421(1)	0.6147(7)	8.0(6)
C(28)	0.493(1)	0.4299(8)	0.5994(7)	5.3(3)
C(29)	0.617(1)	0.393(1)	0.712(1)	8.2(6)
C(30)	0.670(1)	0.3123(9)	0.7560(8)	6.0(4)
C(31)	0.4100(10)	0.1713(9)	0.9564(6)	3.8(2)
C(32)	0.381(1)	0.0718(9)	0.9328(6)	4.5(3)
C(33)	0.502(1)	0.185(1)	1.0181(7)	5.7(3)

$$B_{eq} = \frac{8}{3}\pi^2(U_{11}(aa^*)^2+U_{22}(bb^*)^2+U_{33}(cc^*)^2+2U_{12}aa^*bb^*\cos\gamma+2U_{12}aa^*cc^*\cos\beta+2U_{12}bb^*cc^*\cos\alpha)$$

Table S2. Atomic Positional parameters and B(eq) for **1**·C_3H_6O (continued)

atom	x	y	z	B_{eq}
H(1)	0.7082	0.0226	0.6617	3.5104
H(2)	0.8760	0.0909	0.6989	4.1018
H(3)	0.9125	0.2344	0.6538	3.9399
H(4)	0.7839	0.3043	0.5595	3.1488
H(5)	0.6722	0.3441	0.4621	3.3122
H(6)	0.5507	0.3624	0.3519	3.5396
H(7)	0.4038	0.2656	0.3214	4.1421
H(8)	0.3788	0.1517	0.3986	3.0698
H(9)	0.6039	0.0304	0.7142	3.0383
H(10)	0.5682	-0.0823	0.7894	3.6794
H(11)	0.4148	-0.1694	0.7580	3.8713
H(12)	0.2926	-0.1469	0.6489	3.4141
H(13)	0.1797	-0.1068	0.5524	3.7086
H(14)	0.0570	-0.0357	0.4580	3.7812
H(15)	0.0983	0.1109	0.4158	3.8799
H(16)	0.2718	0.1687	0.4563	3.0698
H(17)	0.5074	0.3117	0.7973	8.6331
H(18)	0.5719	0.2388	0.8501	8.6331
H(19)	0.3997	0.1921	0.8190	5.7386
H(20)	0.4636	0.1172	0.7917	5.7386
H(21)	0.3465	0.3303	0.7318	6.7113
H(22)	0.2498	0.2671	0.7284	6.7113
H(23)	0.2122	0.3535	0.6260	6.0907
H(24)	0.2251	0.2475	0.6082	6.0907
H(25)	0.3405	0.4686	0.5888	7.5041
H(26)	0.3974	0.4348	0.6629	7.5041
H(27)	0.4835	0.4162	0.5525	6.3450
H(28)	0.5179	0.4949	0.6082	6.3450
H(29)	0.6663	0.4425	0.7139	8.9719
H(30)	0.5629	0.4159	0.7299	8.9719
H(31)	0.7236	0.2877	0.7376	6.6703
H(32)	0.7030	0.3350	0.8016	6.6703
H(33)	0.6281	0.1694	0.7724	6.4421
H(34)	0.3207	0.1446	0.6923	6.4808
H(35)	0.3258	0.3234	0.5497	7.1424
H(36)	0.6311	0.3500	0.6254	6.0023

$$B_{eq} = \frac{8}{3}\pi^2(U_{11}(aa^*)^2+U_{22}(bb^*)^2+U_{33}(cc^*)^2+2U_{12}aa^*bb^*\cos\gamma+2U_{12}aa^*cc^*\cos\beta+2U_{12}bb^*cc^*\cos\alpha)$$

Table S3. Anisotropic Displacement Parameters for **1**·C_3H_6O

atom	U_{11}	U_{22}	U_{33}	U_{12}	U_{13}	U_{23}
Pt	0.0290(2)	0.0199(2)	0.0198(2)	-0.0014(2)	0.0019(1)	-0.0025(2)
Cd	0.0321(4)	0.0263(3)	0.0196(3)	0.0022(3)	0.0024(3)	-0.0048(3)
Cl(1)	0.041(2)	0.037(1)	0.026(1)	-0.007(1)	0.003(1)	0.0004(10)
Cl(2)	0.035(1)	0.043(1)	0.039(1)	-0.004(1)	0.012(1)	0.001(1)
O(1)	0.15(1)	0.047(5)	0.047(5)	-0.003(6)	0.003(6)	0.012(4)
O(2)	0.067(6)	0.064(5)	0.028(4)	-0.016(4)	0.011(4)	-0.007(4)
O(3)	0.069(7)	0.17(1)	0.077(7)	0.033(8)	0.032(6)	0.020(7)
O(4)	0.095(8)	0.090(7)	0.056(6)	-0.053(6)	0.004(6)	-0.014(5)
O(5)	0.18(1)	0.112(9)	0.052(6)	-0.081(9)	0.028(7)	0.012(6)
O(6)	0.074(8)	0.20(1)	0.091(8)	0.056(8)	0.022(7)	-0.067(9)
O(7)	0.037(6)	0.081(7)	0.15(1)	0.003(5)	-0.008(6)	-0.001(7)
O(8)	0.092(8)	0.063(6)	0.099(8)	-0.037(6)	-0.026(6)	0.029(6)
O(9)	0.116(9)	0.072(6)	0.046(5)	0.047(6)	0.027(6)	-0.001(5)
N(1)	0.018(4)	0.040(4)	0.022(4)	0.001(3)	0.006(3)	-0.006(3)
N(2)	0.027(4)	0.029(4)	0.024(4)	-0.002(3)	0.006(4)	0.003(3)
N(3)	0.096(9)	0.057(6)	0.031(5)	0.045(6)	-0.023(6)	-0.016(5)
N(4)	0.081(8)	0.040(6)	0.112(10)	-0.016(6)	0.065(8)	-0.022(6)
N(5)	0.11(1)	0.047(6)	0.032(5)	0.019(6)	-0.030(6)	-0.012(5)
N(6)	0.082(8)	0.046(6)	0.082(8)	-0.021(6)	0.050(7)	-0.025(6)
C(1)	0.035(6)	0.027(4)	0.028(5)	0.008(4)	0.012(4)	-0.008(4)
C(2)	0.037(6)	0.038(6)	0.035(5)	0.010(5)	0.005(5)	0.004(5)
C(3)	0.029(6)	0.054(7)	0.035(6)	0.007(5)	-0.001(5)	-0.002(5)
C(4)	0.023(5)	0.055(7)	0.045(6)	-0.006(5)	0.005(5)	-0.007(5)
C(5)	0.037(6)	0.030(5)	0.030(5)	-0.004(4)	0.010(5)	-0.004(4)
C(6)	0.034(6)	0.029(5)	0.026(5)	0.001(4)	0.010(4)	-0.004(4)
C(7)	0.029(5)	0.029(5)	0.030(5)	-0.005(4)	0.007(4)	-0.006(4)
C(8)	0.043(6)	0.038(6)	0.029(5)	-0.016(5)	0.015(5)	-0.010(4)
C(9)	0.049(7)	0.029(5)	0.041(6)	-0.002(5)	0.025(5)	0.013(4)
C(10)	0.055(8)	0.035(6)	0.043(6)	0.012(5)	0.017(6)	0.007(5)
C(11)	0.035(6)	0.038(5)	0.021(5)	0.002(5)	0.006(4)	-0.003(4)
C(12)	0.029(6)	0.032(5)	0.028(5)	0.003(4)	0.006(4)	0.002(4)
C(13)	0.045(6)	0.028(5)	0.022(5)	0.000(4)	0.007(5)	-0.002(4)
C(14)	0.047(7)	0.033(6)	0.031(5)	0.006(5)	0.008(5)	0.006(4)
C(15)	0.055(7)	0.035(5)	0.028(5)	0.002(5)	0.011(5)	0.011(4)
C(16)	0.035(6)	0.038(6)	0.030(5)	-0.002(5)	0.004(5)	-0.001(4)
C(17)	0.032(5)	0.024(4)	0.024(5)	0.005(4)	0.009(4)	-0.004(4)
C(18)	0.031(5)	0.023(4)	0.025(5)	0.000(4)	0.007(4)	-0.005(4)
C(19)	0.042(7)	0.032(5)	0.046(6)	-0.007(5)	0.024(6)	-0.009(5)
C(20)	0.039(6)	0.055(7)	0.023(5)	-0.015(5)	0.001(5)	-0.008(5)
C(21)	0.032(6)	0.052(7)	0.032(5)	-0.003(5)	0.007(5)	0.002(5)
C(22)	0.032(6)	0.031(5)	0.027(5)	-0.002(4)	-0.003(4)	-0.002(4)
C(23)	0.16(2)	0.08(1)	0.026(7)	0.07(1)	-0.014(9)	-0.007(7)
C(24)	0.11(1)	0.047(7)	0.039(7)	0.004(8)	0.033(8)	-0.001(6)
C(25)	0.067(10)	0.065(9)	0.11(1)	-0.010(8)	0.059(10)	-0.013(9)
C(26)	0.034(7)	0.10(1)	0.064(9)	0.031(7)	-0.005(7)	-0.024(8)
C(27)	0.18(2)	0.053(9)	0.049(8)	0.06(1)	0.00(1)	0.005(7)
C(28)	0.11(1)	0.033(7)	0.08(1)	0.011(7)	0.065(10)	0.014(6)
C(29)	0.11(1)	0.08(1)	0.16(2)	-0.06(1)	0.09(1)	-0.07(1)
C(30)	0.050(8)	0.046(7)	0.10(1)	0.020(6)	-0.036(8)	-0.048(7)
C(31)	0.048(7)	0.060(8)	0.038(6)	0.017(6)	0.018(6)	0.000(6)
C(32)	0.056(8)	0.064(8)	0.050(7)	-0.008(6)	0.012(6)	0.008(6)
C(33)	0.040(8)	0.09(1)	0.069(9)	0.011(7)	-0.005(7)	-0.025(8)

The general temperature factor expression:
$\exp(-2\pi^2(a^{*2}U_{11}h^2+b^{*2}U_{22}k^2+c^{*2}U_{33}l^2+2a^*b^*U_{12}hk+2a^*c^*U_{13}hk+2b^*c^*U_{23}kl)$

Table S4. Interatomic Distances for **1**·C_3H_6O

atom	atom	distance	atom	atom	distance
Pt	Cd	2.6389(8)	Pt	N(1)	2.139(8)
Pt	N(2)	2.128(8)	Pt	C(1)	1.999(10)
Pt	C(12)	2.05(1)	Cd	N(3)	2.321(9)
Cd	N(4)	2.30(1)	Cd	N(5)	2.36(1)
Cd	N(6)	2.34(1)	Cl(1)	O(1)	1.410(9)
Cl(1)	O(2)	1.435(8)	Cl(1)	O(3)	1.40(1)
Cl(1)	O(4)	1.412(10)	Cl(2)	O(5)	1.38(1)
Cl(2)	O(6)	1.39(1)	Cl(2)	O(7)	1.401(9)
Cl(2)	O(8)	1.40(1)	O(9)	C(31)	1.21(2)
N(1)	C(7)	1.33(1)	N(1)	C(11)	1.34(1)
N(2)	C(18)	1.35(1)	N(2)	C(22)	1.35(1)
N(3)	C(23)	1.35(2)	N(3)	C(30)	1.60(2)
N(4)	C(24)	1.63(2)	N(4)	C(25)	1.37(2)
N(5)	C(26)	1.57(2)	N(5)	C(27)	1.37(2)
N(6)	C(28)	1.56(2)	N(6)	C(29)	1.37(2)
C(1)	C(2)	1.41(1)	C(1)	C(6)	1.40(1)
C(2)	C(3)	1.40(1)	C(3)	C(4)	1.36(2)
C(4)	C(5)	1.40(1)	C(5)	C(6)	1.40(1)
C(6)	C(7)	1.46(1)	C(7)	C(8)	1.40(1)
C(8)	C(9)	1.39(1)	C(9)	C(10)	1.36(2)
C(10)	C(11)	1.36(2)	C(12)	C(13)	1.41(1)
C(12)	C(17)	1.39(1)	C(13)	C(14)	1.37(1)
C(14)	C(15)	1.36(2)	C(15)	C(16)	1.39(1)
C(16)	C(17)	1.40(1)	C(17)	C(18)	1.46(1)
C(18)	C(19)	1.38(1)	C(19)	C(20)	1.37(1)
C(20)	C(21)	1.36(2)	C(21)	C(22)	1.38(1)
C(23)	C(24)	1.52(2)	C(25)	C(26)	1.51(2)
C(27)	C(28)	1.53(3)	C(29)	C(30)	1.49(2)
C(31)	C(32)	1.49(2)	C(31)	C(33)	1.50(2)

Table S5. Bond Angles for **1**·C_3H_6O

atom	atom	atom	angle	atom	atom	atom	angle
Cd	Pt	N(1)	98.5(2)	Cd	Pt	N(2)	95.7(2)
Cd	Pt	C(1)	79.9(3)	Cd	Pt	C(12)	80.1(3)
N(1)	Pt	N(2)	101.3(3)	N(1)	Pt	C(1)	78.5(3)
N(1)	Pt	C(12)	178.7(3)	N(2)	Pt	C(1)	175.4(3)
N(2)	Pt	C(12)	78.9(3)	C(1)	Pt	C(12)	101.3(4)
Pt	Cd	N(3)	126.7(3)	Pt	Cd	N(4)	117.9(3)
Pt	Cd	N(5)	109.5(2)	Pt	Cd	N(6)	117.0(3)
N(3)	Cd	N(4)	78.5(4)	N(3)	Cd	N(5)	123.8(4)
N(3)	Cd	N(6)	77.6(4)	N(4)	Cd	N(5)	76.3(4)
N(4)	Cd	N(6)	124.0(4)	N(5)	Cd	N(6)	76.5(4)
O(1)	Cl(1)	O(2)	109.9(5)	O(1)	Cl(1)	O(3)	108.9(8)
O(1)	Cl(1)	O(4)	111.0(5)	O(2)	Cl(1)	O(3)	108.6(6)
O(2)	Cl(1)	O(4)	110.1(6)	O(3)	Cl(1)	O(4)	108.3(7)
O(5)	Cl(2)	O(6)	107.4(8)	O(5)	Cl(2)	O(7)	109.2(8)
O(5)	Cl(2)	O(8)	109.2(6)	O(6)	Cl(2)	O(7)	108.2(7)
O(6)	Cl(2)	O(8)	111.2(8)	O(7)	Cl(2)	O(8)	111.5(6)
Pt	N(1)	C(7)	112.9(6)	Pt	N(1)	C(11)	127.1(7)
C(7)	N(1)	C(11)	120.0(8)	Pt	N(2)	C(18)	113.3(5)
Pt	N(2)	C(22)	127.7(7)	C(18)	N(2)	C(22)	118.9(8)
Cd	N(3)	C(23)	110.6(9)	Cd	N(3)	C(30)	103.2(7)
C(23)	N(3)	C(30)	112(1)	Cd	N(4)	C(24)	102.8(9)
Cd	N(4)	C(25)	111(1)	C(24)	N(4)	C(25)	109(1)
Cd	N(5)	C(26)	102.9(7)	Cd	N(5)	C(27)	109(1)
C(26)	N(5)	C(27)	112(1)	Cd	N(6)	C(28)	104.5(8)
Cd	N(6)	C(29)	109(1)	C(28)	N(6)	C(29)	113(1)
Pt	C(1)	C(2)	129.6(8)	Pt	C(1)	C(6)	114.6(6)
C(2)	C(1)	C(6)	115.7(9)	C(1)	C(2)	C(3)	121.6(10)
C(2)	C(3)	C(4)	121.0(9)	C(3)	C(4)	C(5)	119.4(9)
C(4)	C(5)	C(6)	119.5(9)	C(1)	C(6)	C(5)	122.5(8)
C(1)	C(6)	C(7)	115.4(8)	C(5)	C(6)	C(7)	121.8(9)
N(1)	C(7)	C(6)	115.0(8)	N(1)	C(7)	C(8)	119.2(8)
C(6)	C(7)	C(8)	125.5(9)	C(7)	C(8)	C(9)	120.0(9)
C(8)	C(9)	C(10)	118(1)	C(9)	C(10)	C(11)	118.9(9)
N(1)	C(11)	C(10)	122.8(9)	Pt	C(12)	C(13)	129.1(7)
Pt	C(12)	C(17)	112.6(6)	C(13)	C(12)	C(17)	117.9(9)
C(12)	C(13)	C(14)	121.1(9)	C(13)	C(14)	C(15)	120.6(9)
C(14)	C(15)	C(16)	119(1)	C(15)	C(16)	C(17)	119.9(9)
C(12)	C(17)	C(16)	119.8(8)	C(12)	C(17)	C(18)	118.1(8)
C(16)	C(17)	C(18)	122.0(9)	N(2)	C(18)	C(17)	113.5(8)
N(2)	C(18)	C(19)	120.0(8)	C(17)	C(18)	C(19)	126.2(9)
C(18)	C(19)	C(20)	120.4(10)	C(19)	C(20)	C(21)	119.3(10)
C(20)	C(21)	C(22)	118.7(9)	N(2)	C(22)	C(21)	121.9(9)
N(3)	C(23)	C(24)	108(1)	N(4)	C(24)	C(23)	111(1)
N(4)	C(25)	C(26)	105(1)	N(5)	C(26)	C(25)	112(1)
N(5)	C(27)	C(28)	108(1)	N(6)	C(28)	C(27)	111(1)
N(6)	C(29)	C(30)	109(1)	N(3)	C(30)	C(29)	111(1)
O(9)	C(31)	C(32)	120.4(10)	O(9)	C(31)	C(33)	121(1)
C(32)	C(31)	C(33)	117(1)				

Table S6. Atomic Positional parameters and B(eq) for **2**·C_3H_6O

atom	x	y	z	B_{eq}
Pt	-0.04761(1)	-0.0097(2)	0.06085(2)	4.395(9)
Cd	-0.10723(3)	-0.0099(3)	0.16560(3)	4.49(1)
Cl(1)	0.1924(1)	-0.004(1)	0.5361(2)	6.78(8)
Cl(2)	-0.1011(2)	-0.5110(10)	0.1321(2)	8.56(7)
O(1)	0.167(1)	0.036(3)	0.458(1)	23(1)
O(2)	0.1528(10)	-0.112(2)	0.527(2)	17.3(8)
O(3)	0.2588(8)	-0.043(2)	0.559(2)	27(1)
O(4)	0.186(2)	0.046(2)	0.592(2)	29(1)
O(5)	-0.0516(8)	-0.555(2)	0.2127(9)	21(1)
O(6)	-0.1554(9)	-0.594(1)	0.0942(10)	15.2(8)
O(7)	-0.0722(10)	-0.526(2)	0.071(1)	22.9(9)
O(8)	-0.128(2)	-0.407(1)	0.117(2)	20(1)
O(9)	0.3447(8)	-0.030(4)	0.400(1)	22(1)
N(1)	0.0374(9)	0.112(2)	0.146(1)	4.6(4)
N(2)	0.042(1)	-0.122(2)	0.154(2)	5.4(6)
N(3)	-0.121(2)	0.176(2)	0.222(2)	10.6(9)
N(4)	-0.0149(4)	-0.019(4)	0.3258(6)	8.7(4)
N(5)	-0.124(1)	-0.188(2)	0.216(1)	6.7(5)
N(6)	-0.2322(4)	-0.007(3)	0.1123(6)	8.2(3)
C(1)	-0.123(2)	-0.137(2)	-0.022(2)	9.6(8)
C(2)	-0.1282(8)	0.113(2)	-0.013(1)	4.7(4)
C(3)	0.030(2)	0.228(2)	0.142(2)	6.6(7)
C(4)	0.091(2)	0.294(2)	0.210(2)	9.9(8)
C(5)	0.155(2)	0.249(3)	0.266(3)	8.9(8)
C(6)	0.164(2)	0.136(3)	0.280(2)	7.3(7)
C(7)	0.106(2)	0.053(3)	0.216(2)	5.1(6)
C(8)	0.099(2)	-0.076(3)	0.215(2)	5.7(7)
C(9)	0.161(2)	-0.128(3)	0.280(2)	7.7(7)
C(10)	0.158(2)	-0.252(4)	0.284(3)	12(1)
C(11)	0.100(3)	-0.310(3)	0.217(4)	11(1)
C(12)	0.039(2)	-0.241(3)	0.149(2)	8.4(7)
C(13)	-0.043(3)	0.166(3)	0.326(2)	15(1)
C(14)	-0.029(1)	0.061(2)	0.378(1)	9.0(5)
C(15)	-0.027(2)	-0.166(4)	0.353(2)	12(1)
C(16)	-0.091(2)	-0.193(2)	0.316(2)	10.8(9)
C(17)	-0.218(3)	-0.183(2)	0.172(4)	16(2)
C(18)	-0.2526(8)	-0.086(2)	0.158(1)	9.1(5)
C(19)	-0.236(2)	0.147(3)	0.134(2)	13(1)
C(20)	-0.181(3)	0.185(3)	0.222(3)	15(1)
C(21)	0.382(1)	-0.025(7)	0.482(1)	17(1)
C(22)	0.419(3)	-0.102(4)	0.526(3)	25(1)
C(23)	0.391(2)	0.108(3)	0.533(3)	12(1)

$$B_{eq} = \frac{8}{3}\pi^2(U_{11}(aa^*)^2+U_{22}(bb^*)^2+U_{33}(cc^*)^2+2U_{12}aa^*bb^*\cos\gamma+2U_{12}aa^*cc^*\cos\beta+2U_{12}bb^*cc^*\cos\alpha)$$

Table S6. Atomic Positional parameters and B(eq) for **2**·C_3H_6O (continued)

atom	x	y	z	B_{eq}
H(1)	-0.1694	-0.1298	-0.0003	8.7532
H(2)	-0.1075	-0.2177	0.0144	8.7532
H(3)	-0.1463	-0.1395	-0.0752	8.7532
H(4)	-0.1346	0.1107	-0.0818	6.9316
H(5)	-0.1731	0.0886	-0.0246	6.9316
H(6)	-0.1132	0.1865	0.0065	6.9316
H(7)	-0.0185	0.2666	0.0934	9.0990
H(8)	0.0846	0.3835	0.1882	12.8155
H(9)	0.1940	0.3030	0.3153	10.4642
H(10)	0.2169	0.0966	0.3370	12.0385
H(11)	0.2041	-0.0892	0.3191	7.9115
H(12)	0.1979	-0.2910	0.3348	16.9315
H(13)	0.0971	-0.3958	0.2183	11.1621
H(14)	-0.0067	-0.2857	0.1008	8.9640
H(15)	-0.1198	0.2420	0.1840	11.3145
H(16)	0.0338	-0.0035	0.3322	9.6454
H(17)	-0.1066	-0.2475	0.1941	8.4334
H(18)	-0.2625	-0.0148	0.0448	9.9257
H(19)	-0.0362	0.2295	0.3651	19.0460
H(20)	-0.0023	0.1690	0.3117	19.0460
H(21)	-0.0587	0.0437	0.3946	12.9750
H(22)	0.0181	0.0998	0.4260	12.9750
H(23)	-0.0071	-0.1783	0.4137	16.9220
H(24)	0.0013	-0.2184	0.3302	16.9220
H(25)	-0.1045	-0.2723	0.3130	20.7222
H(26)	-0.1233	-0.1407	0.3171	20.7222
H(27)	-0.2393	-0.2268	0.1021	20.6488
H(28)	-0.2300	-0.2509	0.1997	20.6488
H(29)	-0.3029	-0.0894	0.1320	18.0582
H(30)	-0.2306	-0.0541	0.2240	18.0582
H(31)	-0.2810	0.1364	0.1499	17.1771
H(32)	-0.2451	0.1850	0.0948	17.1771
H(33)	-0.1983	0.2534	0.2257	12.4531
H(34)	-0.1793	0.1277	0.2692	12.4531

$$B_{eq} = \frac{8}{3}\pi^2(U_{11}(aa^*)^2+U_{22}(bb^*)^2+U_{33}(cc^*)^2+2U_{12}aa^*bb^*\cos\gamma+2U_{12}aa^*cc^*\cos\beta+2U_{12}bb^*cc^*\cos\alpha)$$

Table S7. Anisotropic Displacement Parameters for **2**·C_3H_6O

atom	U_{11}	U_{22}	U_{33}	U_{12}	U_{13}	U_{23}
Pt	0.0608(2)	0.0590(2)	0.0608(2)	0.0014(9)	0.0411(1)	0.0010(8)
Cd	0.0599(3)	0.0692(3)	0.0520(3)	-0.003(2)	0.0363(3)	-0.006(2)
Cl(1)	0.071(1)	0.119(3)	0.071(1)	-0.014(6)	0.039(1)	-0.016(5)
Cl(2)	0.097(2)	0.065(2)	0.126(2)	-0.021(6)	0.032(2)	-0.010(7)
O(1)	0.31(2)	0.49(6)	0.18(1)	0.13(3)	0.18(1)	0.21(3)
O(2)	0.17(1)	0.17(1)	0.31(3)	-0.10(1)	0.12(2)	-0.01(2)
O(3)	0.14(1)	0.28(3)	0.61(4)	0.13(2)	0.18(2)	0.29(3)
O(4)	0.58(4)	0.45(5)	0.30(2)	-0.31(3)	0.37(3)	-0.28(3)
O(5)	0.17(1)	0.41(5)	0.118(8)	0.05(2)	-0.019(8)	0.07(1)
O(6)	0.16(1)	0.20(2)	0.111(9)	-0.13(1)	-0.007(8)	0.016(9)
O(7)	0.29(2)	0.31(3)	0.27(2)	0.13(2)	0.14(1)	-0.09(2)
O(8)	0.48(4)	0.039(7)	0.46(4)	-0.02(1)	0.38(3)	-0.04(1)
O(9)	0.18(1)	0.44(4)	0.21(1)	-0.06(3)	0.09(1)	-0.16(3)
N(1)	0.035(8)	0.08(1)	0.07(1)	0.002(7)	0.031(8)	0.003(9)
N(2)	0.12(2)	0.03(1)	0.09(2)	0.01(1)	0.08(1)	0.020(10)
N(3)	0.25(3)	0.07(1)	0.20(3)	0.02(2)	0.20(3)	0.01(2)
N(4)	0.062(4)	0.20(1)	0.060(5)	0.00(2)	0.025(4)	-0.04(2)
N(5)	0.14(2)	0.06(1)	0.08(1)	0.02(1)	0.07(1)	0.010(8)
N(6)	0.057(4)	0.180(10)	0.075(5)	0.02(2)	0.033(4)	0.06(1)
C(1)	0.16(2)	0.13(2)	0.08(1)	-0.02(2)	0.07(1)	0.03(1)
C(2)	0.047(7)	0.09(1)	0.056(8)	0.024(7)	0.039(7)	0.045(8)
C(3)	0.10(2)	0.024(9)	0.17(2)	-0.010(9)	0.10(2)	0.01(1)
C(4)	0.09(1)	0.06(1)	0.20(3)	-0.03(1)	0.05(1)	-0.05(1)
C(5)	0.13(2)	0.09(2)	0.17(2)	-0.07(2)	0.11(2)	-0.08(2)
C(6)	0.10(2)	0.11(2)	0.09(2)	-0.04(1)	0.06(1)	-0.04(1)
C(7)	0.06(1)	0.10(2)	0.04(1)	0.01(1)	0.03(1)	-0.01(1)
C(8)	0.07(2)	0.07(2)	0.09(2)	0.02(1)	0.06(2)	0.01(1)
C(9)	0.09(2)	0.11(2)	0.09(2)	0.02(1)	0.04(1)	0.03(1)
C(10)	0.15(3)	0.19(3)	0.11(2)	0.06(3)	0.06(2)	0.04(2)
C(11)	0.26(4)	0.08(2)	0.26(5)	0.06(3)	0.23(4)	0.07(3)
C(12)	0.10(2)	0.11(2)	0.12(2)	-0.01(1)	0.06(1)	0.03(1)
C(13)	0.38(6)	0.14(2)	0.08(2)	-0.15(3)	0.14(3)	-0.09(1)
C(14)	0.11(1)	0.18(2)	0.060(8)	0.00(1)	0.050(8)	-0.03(1)
C(15)	0.13(2)	0.29(5)	0.08(2)	0.10(3)	0.07(2)	0.08(2)
C(16)	0.16(2)	0.13(2)	0.11(2)	-0.02(2)	0.07(2)	0.01(1)
C(17)	0.33(6)	0.06(1)	0.46(7)	-0.10(3)	0.36(6)	-0.09(3)
C(18)	0.063(8)	0.20(2)	0.10(1)	-0.024(9)	0.049(8)	0.01(1)
C(19)	0.17(2)	0.29(4)	0.10(1)	0.17(2)	0.11(1)	0.10(2)
C(20)	0.38(5)	0.06(1)	0.36(5)	-0.05(2)	0.33(5)	-0.05(2)
C(21)	0.15(2)	0.39(4)	0.10(1)	0.07(4)	0.03(1)	-0.08(4)
C(22)	0.31(5)	0.33(4)	0.21(3)	0.05(3)	0.06(3)	0.10(3)
C(23)	0.22(3)	0.10(2)	0.17(3)	-0.08(2)	0.11(2)	-0.08(2)

The general temperature factor expression:

$$\exp(-2\pi^2(a^{*2}U_{11}h^2+b^{*2}U_{22}k^2+c^{*2}U_{33}l^2+2a^*b^*U_{12}hk+2a^*c^*U_{13}hk+2b^*c^*U_{23}kl)$$

Table S8. Interatomic Distances for **2**·C_3H_6O

atom	atom	distance	atom	atom	distance
Pt	Cd	2.6101(8)	Pt	N(1)	2.12(2)
Pt	N(2)	2.13(2)	Pt	C(1)	2.06(2)
Pt	C(2)	2.04(2)	Cd	N(3)	2.38(3)
Cd	N(4)	2.350(7)	Cd	N(5)	2.28(2)
Cd	N(6)	2.295(7)	Cl(1)	O(1)	1.21(2)
Cl(1)	O(2)	1.44(2)	Cl(1)	O(3)	1.31(2)
Cl(1)	O(4)	1.16(3)	Cl(2)	O(5)	1.30(1)
Cl(2)	O(6)	1.36(2)	Cl(2)	O(7)	1.44(3)
Cl(2)	O(8)	1.27(2)	O(9)	C(21)	1.18(2)
N(1)	C(3)	1.32(3)	N(1)	C(7)	1.46(3)
N(2)	C(8)	1.21(3)	N(2)	C(12)	1.35(4)
N(3)	C(13)	1.66(4)	N(3)	C(20)	1.25(8)
N(4)	C(14)	1.38(4)	N(4)	C(15)	1.77(6)
N(5)	C(16)	1.43(4)	N(5)	C(17)	1.71(6)
N(6)	C(18)	1.37(3)	N(6)	C(19)	1.79(5)
C(3)	C(4)	1.41(3)	C(4)	C(5)	1.28(4)
C(5)	C(6)	1.29(5)	C(6)	C(7)	1.47(4)
C(7)	C(8)	1.47(4)	C(8)	C(9)	1.33(4)
C(9)	C(10)	1.41(6)	C(10)	C(11)	1.33(5)
C(11)	C(12)	1.43(5)	C(13)	C(14)	1.41(4)
C(15)	C(16)	1.20(5)	C(17)	C(18)	1.27(4)
C(19)	C(20)	1.38(5)	C(21)	C(22)	1.14(7)
C(21)	C(23)	1.68(8)			

Table S9. Bond Angles for **2**·C_3H_6O

atom	atom	atom	angle	atom	atom	atom	angle
Cd	Pt	N(1)	94.6(7)	Cd	Pt	N(2)	93.6(10)
Cd	Pt	C(1)	88(1)	Cd	Pt	C(2)	82.5(6)
N(1)	Pt	N(2)	77.1(7)	N(1)	Pt	C(1)	174(1)
N(1)	Pt	C(2)	96.4(6)	N(2)	Pt	C(1)	98.8(9)
N(2)	Pt	C(2)	172.2(8)	C(1)	Pt	C(2)	87.9(9)
Pt	Cd	N(3)	117(1)	Pt	Cd	N(4)	110.7(3)
Pt	Cd	N(5)	117.8(7)	Pt	Cd	N(6)	125.9(2)
N(3)	Cd	N(4)	77(1)	N(3)	Cd	N(5)	124(1)
N(3)	Cd	N(6)	78(1)	N(4)	Cd	N(5)	75.0(10)
N(4)	Cd	N(6)	123.4(4)	N(5)	Cd	N(6)	77.8(10)
O(1)	Cl(1)	O(2)	107(1)	O(1)	Cl(1)	O(3)	104(1)
O(1)	Cl(1)	O(4)	120(2)	O(2)	Cl(1)	O(3)	102(1)
O(2)	Cl(1)	O(4)	101(1)	O(3)	Cl(1)	O(4)	118(1)
O(5)	Cl(2)	O(6)	104(1)	O(5)	Cl(2)	O(7)	106(1)
O(5)	Cl(2)	O(8)	126(1)	O(6)	Cl(2)	O(7)	98(1)
O(6)	Cl(2)	O(8)	111(1)	O(7)	Cl(2)	O(8)	105(2)
Pt	N(1)	C(3)	125(1)	Pt	N(1)	C(7)	112(1)
C(3)	N(1)	C(7)	122(1)	Pt	N(2)	C(8)	118(1)
Pt	N(2)	C(12)	123(1)	C(8)	N(2)	C(12)	118(2)
Cd	N(3)	C(13)	95(1)	Cd	N(3)	C(20)	113(2)
C(13)	N(3)	C(20)	117(4)	Cd	N(4)	C(14)	111(1)
Cd	N(4)	C(15)	100(1)	C(14)	N(4)	C(15)	110(1)
Cd	N(5)	C(16)	112(1)	Cd	N(5)	C(17)	100(1)
C(16)	N(5)	C(17)	105(3)	Cd	N(6)	C(18)	113(1)
Cd	N(6)	C(19)	95(1)	C(18)	N(6)	C(19)	117(1)
N(1)	C(3)	C(4)	117(2)	C(3)	C(4)	C(5)	122(2)
C(4)	C(5)	C(6)	122(2)	C(5)	C(6)	C(7)	120(2)
N(1)	C(7)	C(6)	113(2)	N(1)	C(7)	C(8)	112(2)
C(6)	C(7)	C(8)	133(2)	N(2)	C(8)	C(7)	119(2)
N(2)	C(8)	C(9)	128(2)	C(7)	C(8)	C(9)	111(2)
C(8)	C(9)	C(10)	115(3)	C(9)	C(10)	C(11)	120(3)
C(10)	C(11)	C(12)	116(3)	N(2)	C(12)	C(11)	120(2)
N(3)	C(13)	C(14)	118(2)	N(4)	C(14)	C(13)	102(2)
N(4)	C(15)	C(16)	112(2)	N(5)	C(16)	C(15)	109(3)
N(5)	C(17)	C(18)	121(2)	N(6)	C(18)	C(17)	110(3)
N(6)	C(19)	C(20)	114(2)	N(3)	C(20)	C(19)	105(4)
O(9)	C(21)	C(22)	121(6)	O(9)	C(21)	C(23)	117(5)
C(22)	C(21)	C(23)	120(2)				