Supporting Information

ESI-MS

	zoom scan spectra				fragmentation process of the parent ion				
complex	$[PtMe_3L]^+$	$[PtMe_3]^+$	$[(PtMe_3)_2L_{-H}]^+$	other peaks	$[PtMe_3L]^+$ parent ion	$[M-L]^+$	$[PtMe_3L]^+$ - 58 amu	$[PtMe_3L]^+$ - 30 amu	other peaks
14E	460 (100)[a]	-	699 (60)	987(10)	460 (22)	240 (100)	402 (46)	-	358 (10)
15E	502 (100)	240 (2)	741 (22)	741 (22)	502 (17)	240 (40)	444 (100)	-	400 (10)
16E	538 (35)	240 (50)	777 (100)	777 (100)	538 (100)	240 (62)	480 (94)	-	464 (25)
17E	460 (100)	-	699 (65)	987(13)	460 (35)	240 (30)	402 (100)	-	358 (6)
19E	460 (100)	-	699 (54)	987(6)	460 (22)	240 (32)	402 (100)	-	358 (5)
20E	430 (20)	-	-	947 (100)	430 (60)	240 (100)	372 (42)	-	355 (30)
21E	458 (20)	240 (60)	-	695 (100)	458 (100)	240 (88)	-	428 (40)	397 (20)
22D	500 (100)	240 (20)	739 (20)	699	500 (10)	240 (20)	-	470 (100)	455 (20)
23D	500 (100)	-	739 (40)	760 (60) $[PtMe_3L_2]^+$	500 (30)	240 (70)	-	470 (40)	442(100)
24D	500 (100)	240 (27)	739 (80)	-	500 (100)	240 (70)	-	470 (25)	442(40)
25D	500 (100)	240 (10)	739 (22)	-	500 (77)	240 (60)	-	470 (10)	448 (10)

[a] Relative percentage is given in parentheses

Table 1. Crystal data and structure refinement for 19E.

Identification code	ipds600
Empirical formula	C12 H25 B F4 O6 Pt
Formula weight	547.22
Temperature	200(2) K
Wavelength	0.71073 A
Crystal system	Monoclinic
Space group	P2(1)
Unit cell dimensions	a = 8.607(3) A alpha = 90 deg. b = 9.955(4) A beta = 111.09(4) deg. c = 11.415(4) A gamma = 90 deg.
Volume	912.6(6) A^3
Z	2
Density (calculated)	1.991 Mg/m^3
Absorption coefficient	7.750 mm^-1
F(000)	528
Crystal size	0.17 x 0.11 x 0.06 mm
Theta range for data collection	2.54 to 26.00 deg.
Index ranges	-11<=h<=11, -13<=k<=13, -15<=l<=15
Reflections collected	9182
Independent reflections	3569 [R(int) = 0.1543]
Absorption correction	Numerical
Max. and min. transmission	0.46 and 0.16
Refinement method	Full-matrix least-squares on F^2
Data / restraints / parameters	3569 / 1 / 227
Goodness-of-fit on F^2	1.091
Final R indices [I>2sigma(I)]	R1 = 0.0560, wR2 = 0.1353
R indices (all data)	R1 = 0.0582, wR2 = 0.1371
Absolute structure parameter	0.02(2)
Extinction coefficient	0.008(2)
Largest diff. peak and hole	2.793 and -1.997 e.A^-3

Table 2. Atomic coordinates (x 10^4) and equivalent isotropic displacement parameters (A^2 x 10^3) for 19E. U(eq) is defined as one third of the trace of the orthogonalized Uij tensor.

	x	y	z	U(eq)
C(1)	-2002(18)	1440(17)	8134(14)	50(5)
C(2)	-1990(12)	1069(25)	6850(9)	31(2)
C(3)	-1406(19)	-263(16)	6643(14)	32(3)
C(4)	234(19)	-58(15)	6465(12)	35(3)
C(5)	149(21)	1394(16)	6038(13)	48(5)
C(6)	1731(25)	2187(23)	6425(20)	68(6)
C(7)	-4076(20)	-34(15)	5320(15)	47(4)
C(8)	-5102(26)	-858(20)	5870(22)	71(6)
C(9)	-4966(31)	272(23)	3935(18)	91(9)
C(10)	2546(28)	-450(19)	10498(21)	54(7)
C(11)	2920(30)	2369(20)	10552(23)	52(6)
C(12)	4798(20)	849(21)	9462(23)	70(7)
B	726(20)	6151(33)	7723(14)	46(4)
F(1)	-709(18)	6404(27)	6834(16)	135(9)
F(2)	592(33)	6788(26)	8731(17)	170(12)
F(3)	1251(36)	5085(16)	8076(47)	252(23)
F(4)	1861(20)	7086(14)	7537(19)	87(5)
O(1)	-332(12)	1362(17)	9027(9)	50(4)
O(2)	-3663(11)	1161(20)	6010(9)	52(3)
O(3)	-2609(14)	-673(11)	5456(11)	47(3)
O(4)	1618(16)	-304(12)	7569(12)	34(3)
O(5)	-958(17)	2052(11)	6553(12)	43(3)
O(6)	2255(16)	2572(15)	7784(13)	41(3)
Pt	2354(1)	1106(1)	9212(1)	26(1)

Table 3. Bond lengths [A] and angles [deg] for 19E.

C(1)-O(1)	1.43(2)
C(1)-C(2)	1.52(2)
C(2)-O(2)	1.417(12)
C(2)-O(5)	1.44(2)
C(2)-C(3)	1.47(3)
C(3)-O(3)	1.44(2)
C(3)-C(4)	1.51(2)
C(4)-O(4)	1.41(2)
C(4)-C(5)	1.52(2)
C(5)-O(5)	1.44(2)
C(5)-C(6)	1.50(3)
C(6)-O(6)	1.50(3)
C(7)-O(3)	1.37(2)
C(7)-O(2)	1.40(2)
C(7)-C(8)	1.50(3)
C(7)-C(9)	1.52(2)
C(10)-Pt	2.10(2)
C(11)-Pt	1.90(3)
C(12)-Pt	2.03(2)
B-F(3)	1.17(4)
B-F(1)	1.31(2)
B-F(2)	1.36(3)
B-F(4)	1.42(2)
O(1)-Pt	2.258(10)
O(4)-Pt	2.244(12)
O(6)-Pt	2.167(14)
O(1)-C(1)-C(2)	108.6(11)
O(2)-C(2)-O(5)	111(2)
O(2)-C(2)-C(3)	106(2)
O(5)-C(2)-C(3)	107.5(12)
O(2)-C(2)-C(1)	106.2(10)
O(5)-C(2)-C(1)	106(2)
C(3)-C(2)-C(1)	120(2)
O(3)-C(3)-C(2)	103.6(10)
O(3)-C(3)-C(4)	107.6(12)
C(2)-C(3)-C(4)	106.9(13)
O(4)-C(4)-C(3)	112.7(12)
O(4)-C(4)-C(5)	112.3(13)
C(3)-C(4)-C(5)	103.5(12)
O(5)-C(5)-C(6)	108(2)
O(5)-C(5)-C(4)	105.2(12)
C(6)-C(5)-C(4)	118.3(14)
O(6)-C(6)-C(5)	110.1(12)
O(3)-C(7)-O(2)	107.0(11)
O(3)-C(7)-C(8)	110.9(14)
O(2)-C(7)-C(8)	107(2)
O(3)-C(7)-C(9)	108(2)
O(2)-C(7)-C(9)	110.2(14)
C(8)-C(7)-C(9)	113(2)
F(3)-B-F(1)	126(3)
F(3)-B-F(2)	106(3)
F(1)-B-F(2)	103(2)
F(3)-B-F(4)	117(2)
F(1)-B-F(4)	105(2)
F(2)-B-F(4)	95(2)
C(1)-O(1)-Pt	143.5(9)

C(7)-O(2)-C(2)	108(2)
C(7)-O(3)-C(3)	107.3(11)
C(4)-O(4)-Pt	122.2(9)
C(2)-O(5)-C(5)	109.9(12)
C(6)-O(6)-Pt	121.5(12)
C(11)-Pt-C(12)	91.0(10)
C(11)-Pt-C(10)	89.6(7)
C(12)-Pt-C(10)	89.5(9)
C(11)-Pt-O(6)	95.1(8)
C(12)-Pt-O(6)	87.0(7)
C(10)-Pt-O(6)	174.2(9)
C(11)-Pt-O(4)	177.2(7)
C(12)-Pt-O(4)	90.3(8)
C(10)-Pt-O(4)	92.9(8)
O(6)-Pt-O(4)	82.5(4)
C(11)-Pt-O(1)	87.6(8)
C(12)-Pt-O(1)	177.4(7)
C(10)-Pt-O(1)	88.3(8)
O(6)-Pt-O(1)	95.3(5)
O(4)-Pt-O(1)	91.2(5)

Symmetry transformations used to generate equivalent atoms:

Table 4. Anisotropic displacement parameters (A^2 x 10^3) for 19E.
The anisotropic displacement factor exponent takes the form:
-2 pi^2 [h^2 a*^2 U11 + ... + 2 h k a* b* U12]

	U11	U22	U33	U23	U13	U12
C(1)	39(7)	72(14)	36(8)	-28(7)	8(5)	-1(6)
C(2)	35(5)	31(5)	19(5)	2(10)	-1(4)	4(10)
C(3)	39(8)	37(8)	13(7)	-5(6)	-1(5)	13(6)
C(4)	54(9)	41(7)	3(5)	-2(5)	1(5)	9(6)
C(5)	78(9)	61(15)	7(5)	11(6)	19(5)	20(8)
C(6)	72(12)	88(14)	59(13)	33(11)	43(10)	-2(10)
C(7)	50(9)	40(7)	24(8)	-13(6)	-18(6)	11(6)
C(8)	77(13)	53(9)	70(15)	-29(10)	11(10)	-3(9)
C(9)	107(18)	90(15)	25(10)	-13(10)	-39(10)	5(13)
C(10)	92(15)	20(8)	27(8)	19(7)	-8(8)	-24(8)
C(11)	84(14)	23(8)	62(13)	21(8)	41(11)	17(8)
C(12)	35(7)	58(17)	111(17)	6(11)	20(8)	0(7)
B	61(9)	46(9)	30(7)	-2(13)	14(6)	-28(14)
F(1)	81(8)	187(25)	95(11)	55(15)	-18(7)	8(12)
F(2)	255(25)	227(26)	68(11)	-61(13)	108(14)	-114(19)
F(3)	165(22)	33(8)	518(69)	34(19)	75(32)	20(10)
F(4)	101(10)	47(6)	141(14)	19(8)	78(10)	-2(6)
O(1)	37(4)	91(14)	18(4)	-16(6)	5(3)	8(6)
O(2)	45(5)	43(5)	40(5)	-17(8)	-17(4)	18(8)
O(3)	59(6)	43(5)	21(5)	-25(5)	-6(4)	12(5)
O(4)	36(6)	29(5)	29(6)	-9(4)	2(5)	5(5)
O(5)	64(8)	39(6)	28(6)	8(5)	19(5)	16(5)
O(6)	38(7)	44(7)	40(7)	10(5)	14(6)	7(5)
Pt	31(1)	21(1)	20(1)	3(1)	3(1)	-2(1)

Table 5. Hydrogen coordinates (x 10^4) and isotropic displacement parameters (A^2 x 10^3) for 19E.

	x	y	z	U(eq)
H(1)	-2440(18)	2362(17)	8117(14)	60
H(2)	-2730(18)	814(17)	8376(14)	60
H(3)	-1320(19)	-908(16)	7335(14)	39
H(4)	287(19)	-662(15)	5780(12)	42
H(5)	-374(21)	1417(16)	5101(13)	57
H(7)	2617(25)	1645(23)	6292(20)	81
H(6)	1562(25)	3007(23)	5903(20)	81
H(9)	-5523(26)	-1655(20)	5348(22)	85
H(10)	-6042(26)	-320(20)	5898(22)	85
H(8)	-4413(26)	-1137(20)	6722(22)	85
H(12)	-5881(31)	902(23)	3834(18)	109
H(11)	-5413(31)	-561(23)	3483(18)	109
H(13)	-4178(31)	674(23)	3595(18)	109
H(20)	3036(28)	-1244(19)	10258(21)	65
H(21)	1436(28)	-673(19)	10495(21)	65
H(22)	3257(28)	-160(19)	11341(21)	65
H(25)	2309(30)	2155(20)	11106(23)	63
H(24)	2623(30)	3275(20)	10210(23)	63
H(23)	4120(30)	2326(20)	11031(23)	63
H(19)	5212(20)	1653(21)	9173(23)	104
H(17)	4917(20)	68(21)	8978(23)	104
H(18)	5441(20)	702(21)	10354(23)	104
H(14)	-260(240)	1454(204)	9827(209)	75
H(15)	1900(214)	-1238(189)	7406(182)	51
H(16)	1844(268)	3230(227)	7934(203)	61

Table 6. Crystal data and structure refinement for 24D'.

Identification code	ipds797
Empirical formula	C15 H31 B F4 O7 Pt
Formula weight	605.30
Temperature	220(2) K
Wavelength	0.71073 A
Crystal system	Orthorhombic
Space group	P2(1)2(1)2(1)
Unit cell dimensions	a = 9.851(2) A alpha = 90 deg. b = 11.141(4) A beta = 90 deg. c = 20.418(6) A gamma = 90 deg.
Volume	2240.8(11) A^3
Z	4
Density (calculated)	1.794 Mg/m^3
Absorption coefficient	6.325 mm^-1
F(000)	1184
Crystal size	0.30 x 0.10 x 0.10 mm
Theta range for data collection	1.99 to 25.00 deg.
Index ranges	-11<=h<=11, -13<=k<=13, -25<=l<=24
Reflections collected	14460
Independent reflections	3829 [R(int) = 0.1658]
Absorption correction	Numerical
Max. and min. transmission	0.48 and 0.33
Refinement method	Full-matrix least-squares on F^2
Data / restraints / parameters	3828 / 1 / 264
Goodness-of-fit on F^2	0.955
Final R indices [I>2sigma(I)]	R1 = 0.0581, wR2 = 0.1280
R indices (all data)	R1 = 0.0873, wR2 = 0.1436
Absolute structure parameter	0.00(2)
Largest diff. peak and hole	1.879 and -2.094 e.A^-3

Table 7. Atomic coordinates (x 10^4) and equivalent isotropic displacement parameters (A^2 x 10^3) for 24D'. U(eq) is defined as one third of the trace of the orthogonalized Uij tensor.

	x	y	z	U(eq)
C(1)	7893(21)	4162(12)	1412(8)	40(4)
C(2)	6744(19)	4671(13)	1804(7)	38(5)
C(3)	5576(21)	3787(14)	2004(8)	44(5)
C(4)	4361(22)	3804(14)	1634(10)	51(5)
C(5)	3892(24)	5155(16)	1466(11)	60(6)
C(6)	4891(21)	6088(13)	1633(9)	48(5)
C(7)	6571(21)	4525(14)	2939(8)	49(5)
C(8)	6166(30)	5471(18)	3436(10)	78(8)
C(9)	7497(23)	3589(12)	3208(9)	62(8)
C(10)	3628(27)	3918(16)	574(11)	62(6)
C(11)	4256(40)	3800(19)	-100(12)	109(13)
C(12)	2230(28)	3439(22)	607(12)	85(8)
C(13)	9594(26)	7589(19)	680(10)	67(7)
C(14)	7512(31)	6164(18)	105(9)	86(11)
C(15)	6827(23)	8271(18)	777(8)	59(6)
B	10913(29)	5807(17)	2842(11)	55(7)
F(1)	12200(17)	6231(9)	2940(7)	81(4)
F(2)	10725(18)	4770(10)	3175(8)	101(5)
F(3)	9901(14)	6632(10)	2986(7)	81(4)
F(4)	10769(16)	5509(16)	2174(6)	100(5)
O(1)	8911(14)	5069(9)	1273(5)	39(3)
O(2)	7250(16)	5141(8)	2408(5)	44(3)
O(3)	5340(15)	4051(10)	2666(6)	51(3)
O(4)	4550(13)	3283(9)	1009(7)	54(3)
O(5)	3704(16)	5123(9)	762(6)	56(4)
O(6)	6212(13)	5648(9)	1412(5)	38(3)
O(7)	8132(15)	7549(9)	2016(6)	48(3)
Pt	7904(1)	6806(1)	1009(1)	40(1)

Table 8. Bond lengths [A] and angles [deg] for 24D'.

C(1)-O(1)	1.45(2)
C(1)-C(2)	1.50(2)
C(1)-H(1)	0.98
C(1)-H(2)	0.98
C(2)-O(2)	1.43(2)
C(2)-O(6)	1.45(2)
C(2)-C(3)	1.57(2)
C(3)-O(3)	1.40(2)
C(3)-C(4)	1.42(3)
C(3)-H(3)	0.99
C(4)-O(4)	1.41(2)
C(4)-C(5)	1.61(2)
C(4)-H(4)	0.99
C(5)-O(5)	1.45(2)
C(5)-C(6)	1.47(3)
C(5)-H(5)	0.99
C(6)-O(6)	1.46(2)
C(6)-H(6)	0.98
C(6)-H(7)	0.98
C(7)-O(3)	1.43(2)
C(7)-O(2)	1.45(2)
C(7)-C(9)	1.49(2)
C(7)-C(8)	1.52(3)
C(8)-H(11)	0.97
C(8)-H(12)	0.97
C(8)-H(13)	0.97
C(9)-H(8)	0.97
C(9)-H(9)	0.97
C(9)-H(10)	0.97
C(10)-O(5)	1.40(2)
C(10)-O(4)	1.46(2)
C(10)-C(12)	1.48(3)
C(10)-C(11)	1.51(3)
C(11)-H(16)	0.97
C(11)-H(14)	0.97
C(11)-H(15)	0.97
C(12)-H(18)	0.97
C(12)-H(19)	0.97
C(12)-H(17)	0.97
C(13)-Pt	2.00(2)
C(13)-H(21)	0.97
C(13)-H(23)	0.97
C(13)-H(22)	0.97
C(14)-Pt	2.02(2)
C(14)-H(26)	0.97
C(14)-H(24)	0.97
C(14)-H(25)	0.97
C(15)-Pt	2.00(2)
C(15)-H(28)	0.97
C(15)-H(27)	0.97
C(15)-H(29)	0.97
B-F(2)	1.35(2)
B-F(1)	1.37(3)
B-F(3)	1.39(3)
B-F(4)	1.41(3)
O(1)-Pt	2.241(11)
O(1)-H(20)	1.1(2)

O(6)-Pt	2.263(12)
O(7)-Pt	2.228(12)
O(7)-H(30)	1.00(3)
O(7)-H(31)	0.95(14)
O(1)-C(1)-C(2)	111.3(11)
O(1)-C(1)-H(1)	109.4(8)
C(2)-C(1)-H(1)	109.4(8)
O(1)-C(1)-H(2)	109.4(8)
C(2)-C(1)-H(2)	109.4(10)
H(1)-C(1)-H(2)	108.0
O(2)-C(2)-O(6)	109.2(11)
O(2)-C(2)-C(1)	110(2)
O(6)-C(2)-C(1)	105.2(12)
O(2)-C(2)-C(3)	105.1(12)
O(6)-C(2)-C(3)	110.5(14)
C(1)-C(2)-C(3)	117.1(13)
O(3)-C(3)-C(4)	112(2)
O(3)-C(3)-C(2)	103.9(13)
C(4)-C(3)-C(2)	118(2)
O(3)-C(3)-H(3)	107.5(8)
C(4)-C(3)-H(3)	107.5(9)
C(2)-C(3)-H(3)	107.5(9)
O(4)-C(4)-C(3)	111(2)
O(4)-C(4)-C(5)	103(2)
C(3)-C(4)-C(5)	112(2)
O(4)-C(4)-H(4)	110.1(9)
C(3)-C(4)-H(4)	110.1(11)
C(5)-C(4)-H(4)	110.1(11)
O(5)-C(5)-C(6)	109(2)
O(5)-C(5)-C(4)	103(2)
C(6)-C(5)-C(4)	115(2)
O(5)-C(5)-H(5)	109.8(12)
C(6)-C(5)-H(5)	109.8(11)
C(4)-C(5)-H(5)	109.8(11)
O(6)-C(6)-C(5)	106.7(14)
O(6)-C(6)-H(6)	110.4(8)
C(5)-C(6)-H(6)	110.4(11)
O(6)-C(6)-H(7)	110.4(9)
C(5)-C(6)-H(7)	110.4(11)
H(6)-C(6)-H(7)	108.6
O(3)-C(7)-O(2)	105.9(13)
O(3)-C(7)-C(9)	113.8(12)
O(2)-C(7)-C(9)	109(2)
O(3)-C(7)-C(8)	107(2)
O(2)-C(7)-C(8)	107.0(13)
C(9)-C(7)-C(8)	114(2)
C(7)-C(8)-H(11)	109.5(13)
C(7)-C(8)-H(12)	109.5(10)
H(11)-C(8)-H(12)	109.5
C(7)-C(8)-H(13)	109.5(13)
H(11)-C(8)-H(13)	109.5
H(12)-C(8)-H(13)	109.5
C(7)-C(9)-H(8)	109.5(9)
C(7)-C(9)-H(9)	109.5(10)
H(8)-C(9)-H(9)	109.5
C(7)-C(9)-H(10)	109.5(11)
H(8)-C(9)-H(10)	109.5
H(9)-C(9)-H(10)	109.5
O(5)-C(10)-O(4)	105(2)
O(5)-C(10)-C(12)	113(2)

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O(4)-C(10)-C(12)	112(2)
O(5)-C(10)-C(11)	108(2)
O(4)-C(10)-C(11)	105(2)
C(12)-C(10)-C(11)	113(2)
C(10)-C(11)-H(16)	110(2)
C(10)-C(11)-H(14)	109.5(12)
H(16)-C(11)-H(14)	109.5
C(10)-C(11)-H(15)	109.5(14)
H(16)-C(11)-H(15)	109.5
H(14)-C(11)-H(15)	109.5
C(10)-C(12)-H(18)	109.5(14)
C(10)-C(12)-H(19)	109.5(13)
H(18)-C(12)-H(19)	109.5
C(10)-C(12)-H(17)	109.5(12)
H(18)-C(12)-H(17)	109.5
H(19)-C(12)-H(17)	109.5
Pt-C(13)-H(21)	109.5(8)
Pt-C(13)-H(23)	109.5(6)
H(21)-C(13)-H(23)	109.5
Pt-C(13)-H(22)	109.5(7)
H(21)-C(13)-H(22)	109.5
H(23)-C(13)-H(22)	109.5
Pt-C(14)-H(26)	109.5(8)
Pt-C(14)-H(24)	109.5(8)
H(26)-C(14)-H(24)	109.5
Pt-C(14)-H(25)	109.5(6)
H(26)-C(14)-H(25)	109.5
H(24)-C(14)-H(25)	109.5
Pt-C(15)-H(28)	109.5(6)
Pt-C(15)-H(27)	109.5(5)
H(28)-C(15)-H(27)	109.5
Pt-C(15)-H(29)	109.5(6)
H(28)-C(15)-H(29)	109.5
H(27)-C(15)-H(29)	109.5
F(2)-B-F(1)	110(2)
F(2)-B-F(3)	111(2)
F(1)-B-F(3)	114(2)
F(2)-B-F(4)	106(2)
F(1)-B-F(4)	108(2)
F(3)-B-F(4)	107(2)
C(1)-O(1)-Pt	110.0(9)
C(1)-O(1)-H(20)	123(10)
Pt-O(1)-H(20)	101(10)
C(2)-O(2)-C(7)	108.2(12)
C(3)-O(3)-C(7)	108(2)
C(4)-O(4)-C(10)	106(2)
C(10)-O(5)-C(5)	107.7(14)
C(2)-O(6)-C(6)	113.8(12)
C(2)-O(6)-Pt	111.3(10)
C(6)-O(6)-Pt	125.2(8)
Pt-O(7)-H(30)	107(8)
Pt-O(7)-H(31)	106(7)
H(30)-O(7)-H(31)	92(10)
C(13)-Pt-C(15)	90.4(10)
C(13)-Pt-C(14)	90.4(10)
C(15)-Pt-C(14)	88.3(9)
C(13)-Pt-O(7)	93.7(7)
C(15)-Pt-O(7)	88.2(6)
C(14)-Pt-O(7)	174.7(10)
C(13)-Pt-O(1)	95.1(8)
C(15)-Pt-O(1)	174.2(7)

C(14)-Pt-O(1)	89.9(7)
O(7)-Pt-O(1)	93.1(4)
C(13)-Pt-O(6)	170.4(8)
C(15)-Pt-O(6)	99.2(7)
C(14)-Pt-O(6)	89.4(8)
O(7)-Pt-O(6)	87.2(4)
O(1)-Pt-O(6)	75.3(4)

Symmetry transformations used to generate equivalent atoms:

Table 9. Anisotropic displacement parameters (A^2 x 10^3) for 24D'.
The anisotropic displacement factor exponent takes the form:
-2 pi^2 [h^2 a*^2 U11 + ... + 2 h k a* b* U12]

	U11	U22	U33	U23	U13	U12
C(1)	32(10)	31(7)	56(10)	-5(7)	3(10)	19(9)
C(2)	58(15)	28(7)	27(9)	-5(6)	9(7)	1(7)
C(3)	68(15)	27(8)	36(10)	5(7)	-6(9)	-1(8)
C(4)	54(15)	24(8)	74(15)	-1(9)	2(11)	0(8)
C(5)	51(16)	49(12)	79(17)	3(10)	1(11)	-6(9)
C(6)	67(15)	17(7)	60(12)	-6(7)	9(10)	3(8)
C(7)	84(17)	26(8)	37(10)	9(7)	3(9)	-22(8)
C(8)	148(25)	40(10)	45(12)	-7(9)	19(13)	-11(13)
C(9)	107(25)	19(7)	58(12)	7(7)	-29(11)	-13(8)
C(10)	70(16)	39(10)	76(16)	-3(10)	-34(13)	5(10)
C(11)	225(41)	46(13)	57(16)	5(11)	-13(20)	-28(17)
C(12)	53(16)	101(18)	100(17)	22(13)	-25(14)	-37(16)
C(13)	80(18)	70(13)	50(12)	10(10)	25(11)	-46(12)
C(14)	151(35)	74(13)	34(11)	16(9)	-36(13)	-12(14)
C(15)	70(17)	56(10)	52(11)	6(9)	-20(9)	2(12)
B	84(21)	32(11)	50(15)	1(9)	-29(13)	3(11)
F(1)	89(11)	57(6)	97(9)	-7(6)	-10(9)	-30(7)
F(2)	125(14)	40(7)	137(14)	32(7)	7(10)	6(7)
F(3)	102(11)	52(7)	88(9)	-6(7)	-5(8)	32(7)
F(4)	81(12)	160(14)	60(9)	-41(9)	-9(7)	4(10)
O(1)	38(9)	42(6)	36(7)	-4(5)	7(5)	2(5)
O(2)	63(9)	35(5)	35(6)	6(4)	5(6)	-14(6)
O(3)	66(10)	42(6)	44(8)	11(5)	-2(6)	-3(6)
O(4)	68(8)	30(5)	64(7)	7(8)	-13(7)	-10(6)
O(5)	78(11)	29(6)	61(9)	12(5)	-14(7)	4(6)
O(6)	39(8)	28(6)	48(7)	4(5)	-6(6)	7(5)
O(7)	65(11)	32(6)	45(7)	0(5)	4(7)	-1(6)
Pt	51(1)	32(1)	36(1)	4(1)	1(1)	-6(1)

Table 10. Hydrogen coordinates (x 10^4) and isotropic displacement parameters (A^2 x 10^3) for 24D'.

	x	y	z	U(eq)
H(1)	8311(21)	3501(12)	1655(8)	48
H(2)	7541(21)	3839(12)	999(8)	48
H(3)	5946(21)	2962(14)	1982(8)	53
H(4)	3631(22)	3379(14)	1873(10)	61
H(5)	3017(24)	5331(16)	1684(11)	72
H(6)	4665(21)	6843(13)	1412(9)	57
H(7)	4902(21)	6228(13)	2107(9)	57
H(11)	6948(30)	5963(18)	3543(10)	116
H(12)	5835(30)	5083(18)	3830(10)	116
H(13)	5455(30)	5973(18)	3254(10)	116
H(8)	8305(23)	3969(12)	3384(9)	74
H(9)	7752(23)	3037(12)	2862(9)	74
H(10)	7038(23)	3152(12)	3554(9)	74
H(16)	3571(40)	3951(19)	-431(12)	164
H(14)	4614(40)	2995(19)	-154(12)	164
H(15)	4986(40)	4378(19)	-146(12)	164
H(18)	1946(28)	3389(22)	1061(12)	127
H(19)	2206(28)	2645(22)	412(12)	127
H(17)	1621(28)	3968(22)	370(12)	127
H(21)	10355(26)	7045(19)	733(10)	100
H(23)	9762(26)	8318(19)	926(10)	100
H(22)	9487(26)	7784(19)	220(10)	100
H(26)	6676(31)	5705(18)	114(9)	130
H(24)	8253(31)	5652(18)	-34(9)	130
H(25)	7418(31)	6828(18)	-199(9)	130
H(28)	5882(23)	8144(18)	891(8)	89
H(27)	6902(23)	8422(18)	311(8)	89
H(29)	7176(23)	8956(18)	1017(8)	89
H(20)	9646(224)	5362(169)	1629(95)	58
H(30)	8932(96)	7142(112)	2222(66)	31(45)
H(31)	8617(134)	8280(119)	1971(58)	13(30)