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Table S-1 - Fractional atomic coordinates ($x10^4$) with e.s.d.'s in parentheses for the non hydrogen atoms of the complex 2.

ATOM	X/A	Y/B	Z/C
PT1	0	1689(2)	2500
PT2	-808(1)	504(1)	2567(7)
P1	1022(8)	1741(12)	2593(25)
P2	0	-297(11)	2657(41)
P3	-1622(7)	-186(10)	2278(9)
C1	0	2817	2585
C2	0	3173	3278
C3	0	3955	3344
C4	0	4408	2695
C5	0	4079	2024
C6	0	3275	1958
C7	1363(24)	2092(32)	1762(25)
C8	1143(24)	1915(32)	1064(25)
C9	1441(24)	2180(32)	439(25)
C10	1958(24)	2623(32)	512(25)
C11	2178(24)	2800(32)	1210(25)
C12	1880(24)	2535(32)	1835(25)
C13	1297(23)	2277(28)	3370(26)
C14	1394(23)	1891(28)	4030(26)
C15	1568(23)	2289(28)	4657(26)
C16	1646(23)	3073(28)	4626(26)
C17	1549(23)	3459(28)	3967(26)
C18	1375(23)	3061(28)	3339(26)
C19	0	-840	1749
C20	200	-1581	1804
C21	200	-2028	1199
C22	0	-1802	511
C23	-200	-1048	489
C24	-200	-567	1056
C25	0	-877	3457
C26	200	-567	4152
C27	200	-1048	4730
C28	0	-1802	4631
C29	-200	-2028	3932
C30	-200	-1581	3361
C31	-1529(23)	-1206(13)	2479(24)
C32	-1720(23)	-1467(13)	3164(24)
C33	-1728(23)	-2242(13)	3313(24)
C34	-1544(23)	-2757(13)	2775(24)
C35	-1353(23)	-2496(13)	2089(24)
C36	-1346(23)	-1720(13)	1941(24)
C37	-1899(24)	33(32)	1375(19)
C38	-1523(24)	-170(32)	792(19)
C39	-1694(24)	-11(32)	70(19)
C40	-2241(24)	352(32)	-69(19)
C41	-2616(24)	555(32)	514(19)
C42	-2445(24)	395(32)	1236(19)
C43	-2255(13)	-72(21)	2960(20)
C44	-2303(13)	629(21)	3308(20)
C45	-2828(13)	817(21)	3689(20)
C46	-3305(13)	303(21)	3723(20)
C47	-3256(13)	-399(21)	3375(20)
C48	-2732(13)	-587(21)	2994(20)

Table S-2 - Fractional atomic coordinates ($x10^4$) with e.s.d.'s in parentheses for the non hydrogen atoms of the complex 3.

ATOM	X/A	Y/B	Z/C
PT1	0	1371(1)	2500
PT2	435(1)	2738(1)	1973(1)
P1	1114(1)	3321(2)	1447(2)
P2	0	3629(2)	2500
P3	355(1)	1585(1)	1506(2)
C1	1031(6)	3087(6)	490(6)
C2	1586(7)	3028(7)	221(7)
C3	1506(8)	2809(8)	-510(9)
C4	881(9)	2663(8)	-950(8)
C5	338(8)	2768(8)	-691(8)
C6	424(6)	2982(6)	50(7)
C7	1104(5)	4316(5)	1422(7)
C8	811(6)	4686(7)	778(7)
C9	805(6)	5455(7)	785(8)
C10	1063(5)	5833(7)	1412(8)
C11	1347(6)	5459(7)	2054(7)
C12	1367(6)	4694(6)	2063(6)
C13	1964(5)	3129(7)	1896(7)
C14	2448(7)	3603(7)	1842(8)
C15	3116(7)	3412(9)	2126(9)
C16	3252(7)	2738(9)	2483(8)
C17	2753(7)	2291(9)	2558(8)
C18	2109(6)	2469(7)	2249(7)
C19	1051(5)	1106(5)	1355(6)
C20	1269(6)	1234(7)	761(8)
C21	1829(8)	881(9)	680(9)
C22	2158(7)	412(8)	1245(10)
C23	1912(6)	272(8)	1837(8)
C24	1370(6)	615(7)	1897(7)
C25	-276(6)	1528(6)	632(6)
C26	-738(6)	2068(7)	465(7)
C27	-1225(7)	2034(9)	-199(8)
C28	-1252(8)	1453(10)	-668(8)
C29	-765(8)	922(9)	-501(8)
C30	-259(6)	962(7)	138(7)
C31	531(6)	4179(6)	3181(6)
C32	391(7)	4894(7)	3345(8)
C33	846(8)	5252(8)	3921(8)
C34	1400(7)	4904(9)	4309(7)
C35	1544(7)	4181(8)	4160(8)
C36	1110(7)	3837(7)	3597(7)
C37	0	282(9)	2500
C38	-227(6)	-129(7)	1861(8)
C39	-234(7)	-881(7)	1853(9)
C40	0	-1274(11)	2500
C41	1716(11)	997(13)	3948(13)
CL1	2247(4)	1747(5)	4082(5)
CL2	2105(4)	229(5)	3968(5)

TABLE TO BE DEPOSITED

Table S-3 .Calculated coordinates ($x10^4$) for the hydrogen atoms of the complex 3.

ATOM	X/A	Y/B	Z/C
H2	2061	3148	568
H3	1922	2754	-727
H4	821	2467	-1498
H5	-142	2689	-1046
H6	7	3061	261
H8	594	4391	284
H9	593	5746	286
H10	1047	6417	1410
H11	1554	5757	2549
H12	1583	4407	2562
H14	2322	4123	1583
H15	3500	3769	2069
H16	3749	2569	2701
H17	2867	1793	2863
H18	1726	2100	2283
H20	1013	1608	348
H21	2002	965	202
H22	2606	161	1215
H23	2153	-111	2249
H24	1182	512	2362
H26	-726	2511	838
H27	-1579	2463	-343
H28	-1645	1408	-1158
H29	-781	476	-871
H30	131	573	249
H32	-47	5162	3043
H33	756	5803	4057
H34	1736	5193	4742
H35	1975	3912	4475
H36	1211	3289	3464
H38	-404	155	1350
H39	-420	-1165	1345
H40	0	-1858	2500

TABLE TO BE DEPOSITED

Table S-4 – Thermal parameters ($x10^4$) with e.s.d.'s in parentheses for the non hydrogen atoms of the complex **2**. The anisotropic ones are in the form:

$$\exp[-2\pi^2(h^2 a^{*2} U_{11} + \ldots + 2hka^* b^* U_{12})]$$

ATOM	U11	U22	U33	U23	U13	U12
PT1	129(17)	348(19)	313(28)	37(56)	0	0
PT2	132(12)	326(13)	538(18)	-21(47)	31(40)	-1(11)
P1	239(79)	418(105)	1518(274)	363(290)	-215(242)	-10(75)
P2	162(89)	284(103)	134(211)	-112(272)	0	0
P3	163(89)	370(124)	415(111)	-110(71)	-55(64)	-57(90)

ATOM	U	ATOM	U	ATOM	U	ATOM	U
C1	500	C13	281(176)	C25	1000	C37	469(217)
C2	500	C14	765(367)	C26	1000	C38	369(216)
C3	500	C15	914(423)	C27	1000	C39	726(227)
C4	500	C16	839(340)	C28	1000	C40	751(319)
C5	500	C17	594(287)	C29	1000	C41	810(282)
C6	500	C18	670(213)	C30	1000	C42	576(232)
C7	461(204)	C19	1000	C31	1032(190)	C43	358(117)
C8	784(242)	C20	1000	C32	945(295)	C44	418(206)
C9	804(372)	C21	1000	C33	1010(325)	C45	539(281)
C10	1152(360)	C22	1000	C34	837(298)	C46	688(270)
C11	465(310)	C23	1000	C35	758(308)	C47	841(268)
C12	185(227)	C24	1000	C36	1147(186)	C48	529(194)

TABLE TO BE DEPOSITED

Table S-5 - Thermal parameters ($x10^4$) with e.s.d.'s in parentheses for the non hydrogen atoms of the complex **3**. The anisotropic ones are in the form:

$$\exp[-2\pi^2(h^2 a^{*2} U_{11} + \ldots . 2hka^* b^* U_{12})]$$

ATOM	U11 or U	U22	U33	U23	U13	U12
PT1	351(4)	298(3)	349(4)	0	112(3)	0
PT2	300(2)	267(2)	290(2)	-16(2)	78(2)	-4(2)
P1	280(16)	325(16)	350(18)	9(13)	88(13)	-9(12)
P2	302(22)	249(21)	305(24)	0	99(18)	0
P3	392(17)	265(14)	332(17)	-56(11)	133(13)	-29(12)
C1	503(81)	394(65)	352(68)	81(54)	213(61)	81(60)
C2	657(94)	601(85)	427(82)	-5(67)	176(72)	-15(72)
C3	839(120)	641(103)	732(112)	-10(85)	372(98)	21(91)
C4	1103(137)	547(91)	567(99)	-116(72)	377(96)	-162(88)
C5	850(108)	533(85)	615(102)	91(76)	149(85)	-37(80)
C6	466(74)	417(73)	394(74)	-37(57)	71(60)	-66(57)
C7	336(65)	303(59)	417(81)	9(54)	65(58)	-11(48)
C8	537(85)	507(76)	458(87)	84(64)	178(69)	53(64)
C9	578(89)	411(74)	549(97)	58(67)	172(74)	-95(66)
C10	318(60)	439(74)	982(115)	114(78)	219(68)	-13(55)
C11	470(76)	539(83)	714(96)	-111(72)	125(69)	-172(64)
C12	424(69)	386(66)	519(77)	-73(55)	206(59)	-77(53)
C13	296(65)	474(74)	570(83)	4(63)	181(59)	68(57)
C14	450(85)	615(84)	711(106)	-52(75)	214(77)	13(69)
C15	470(101)	921(121)	737(121)	-227(94)	158(89)	-74(86)
C16	527(91)	855(114)	563(102)	-10(89)	44(76)	86(89)
C17	478(84)	897(115)	719(104)	-60(87)	-70(74)	154(85)
C18	373(67)	522(76)	655(92)	-50(67)	25(62)	110(57)
C19	411(67)	235(56)	503(74)	-49(49)	188(57)	16(48)
C20	561(85)	540(82)	771(104)	-116(70)	378(78)	-128(66)
C21	769(107)	717(99)	1064(135)	-244(97)	492(99)	10(88)
C22	641(102)	705(99)	1081(139)	-34(95)	267(98)	246(82)
C23	440(78)	768(103)	840(111)	126(81)	245(76)	153(69)
C24	345(67)	569(79)	600(87)	-34(65)	0(60)	13(57)
C25	560(80)	450(68)	404(73)	-57(54)	70(60)	-227(59)
C26	486(78)	530(81)	586(88)	54(63)	147(68)	15(62)
C27	465(90)	1002(124)	650(106)	54(90)	26(80)	39(82)
C28	935(124)	982(126)	394(85)	-18(82)	-107(78)	-107(100)
C29	795(106)	794(106)	567(97)	-192(83)	-201(81)	-102(91)
C30	554(79)	537(76)	433(76)	-179(61)	-81(62)	-83(64)
C31	529(78)	336(62)	453(76)	-168(55)	210(62)	-126(57)
C32	591(92)	536(79)	683(104)	-182(71)	275(81)	-160(69)
C33	740(113)	672(98)	641(102)	-370(79)	259(88)	-293(84)
C34	602(100)	1296(134)	333(81)	-281(81)	145(73)	-312(95)
C35	658(99)	756(95)	455(91)	-60(75)	151(76)	-219(81)
C36	490(87)	659(90)	367(82)	43(65)	90(68)	-24(70)
C37	348(94)	466(101)	360(96)	0	136(76)	0
C38	632(86)	398(77)	881(102)	-71(69)	372(78)	-80(65)
C39	838(106)	423(76)	987(121)	-72(77)	1380(93)	-117(75)
C40	528(120)	508(124)	785(153)	0	120(108)	0
C41	1362(82)					
CL1	1957(33)					
CL2	2057(37)					

Table S-6. Experimental Data for the X-ray diffraction Study of

2 and **3**.

	2	**3**
Molecular formula	$C_{78}H_{65}P_5Pt_3$	$C_{78}H_{65}P_5Pt_3 \cdot 2CH_2Cl_2$
Molecular weight	1742.51	1912.38
Crystal system	orthorhombic	monoclinic
Space group	$Cmc2_1$	$C2/c$
Data collection temperature	room temperature	
Radiation	Nb-filtered Mo Kα (λ = 0.71073 Å)	
a , Å	22.192(10)	21.390(10)
b , Å	17.650(9)	18.471(9)
c , Å	18.182(8)	19.021(11)
ß , deg		105.27(5)
V , $Å^3$	7122(6)	7250(7)
Z	4	4
D_{calcd}, g cm^{-3}	1.625	1.752
F(000)	3368	3704
Crystal dimensions, mm	0.10x0.14x0.22	0.23x0.30x0.48
Linear absorption, cm^{-1}	60.90	61.35
Diffractometer	Siemens AED	
Scan type	θ/2θ	
Scan speed	3-12° θ/min	
Scan width	(θ - 0.55) - (θ + 0.55 + 0.346 tgθ)	
2θ range, deg	6-44	6-54
Reflections measured	h,k,l	±h,k,l
Standard reflection	1 measured after every 50 reflections	
Unique total data	2437	7691
Unique observed data	1293 [I> σ(I)]	4348 [I > 2σ(I)]
R	0.080	0.045
R_w	0.098	0.055