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Supporting Information

Structural Parameters for [PhPNP]RhPPh3, Complex 1

TABLE I. Fractional Coordinates (X10000) and Isotropic Thermal Parameters

ATOM	X	Y	Z	BISO
Rh(1)	3488.4(1)	2192.6(1)	568.2(1)	2.0(0)'
P(1)	3643.0(5)	2692.4(3)	1662.9(3)	2.3(0)'
P(2)	2944.5(5)	2058.4(3)	-664.3(3)	2.2(0)'
P(3)	3161.5(5)	1232.9(3)	953.6(3)	2.0(0)'
Si(1)	5356.8(7)	3333.9(4)	994.9(4)	3.4(0)'
Si(2)	3525.8(6)	3460.4(3)	-462.8(4)	2.6(0)'
N(1)	4155(2)	3102(1)	340(1)	2.7(1)'
C(1)	5078(2)	3083(1)	1901(1)	2.9(1)'
C(2)	2485(3)	2851(1)	-1020(1)	2.9(1)'
C(3)	6763(3)	2936(3)	918(2)	5.7(1)'
C(4)	5624(5)	4220(2)	1040(2)	6.3(1)'
C(5)	4601(3)	3712(2)	-992(2)	3.9(1)'
C(6)	2625(3)	4178(1)	-382(2)	4.0(1)'
C(11)	2542(2)	3331(1)	1480(1)	2.7(1)'
C(12)	2774(3)	3949(1)	1741(2)	3.6(1)'
C(13)	1902(3)	4414(2)	1578(2)	4.6(1)'
C(14)	786(3)	4272(2)	1161(2)	4.3(1)'
C(15)	542(3)	3660(2)	902(2)	4.0(1)'
C(16)	1410(2)	3199(1)	1053(2)	3.4(1)'
C(21)	3466(2)	2355(1)	2520(1)	2.5(1)'
C(22)	4352(2)	1977(1)	2953(1)	2.8(1)'
C(23)	4225(3)	1706(1)	3599(1)	3.3(1)'
C(24)	3214(3)	1815(1)	3826(2)	3.6(1)'
C(25)	2324(3)	2188(1)	3403(2)	3.5(1)'
C(26)	2441(2)	2451(1)	2756(1)	3.0(1)'
C(31)	4028(2)	1819(1)	-1156(1)	2.4(1)'
C(32)	3791(3)	1854(1)	-1919(1)	3.2(1)'
C(33)	4612(3)	1650(1)	-2274(2)	3.7(1)'
C(34)	5675(3)	1398(1)	-1885(2)	3.8(1)'
C(35)	5933(3)	1366(1)	-1134(2)	3.5(1)'
C(36)	5114(2)	1585(1)	-771(1)	2.8(1)'
C(41)	1665(2)	1553(1)	-1060(1)	2.4(1)'
C(42)	584(2)	1715(1)	-915(1)	3.0(1)'
C(43)	-391(3)	1329(2)	-1146(2)	3.8(1)'
C(44)	-309(3)	768(2)	-1513(2)	4.2(1)'
C(45)	737(3)	604(1)	-1663(1)	3.6(1)'
C(46)	1722(3)	995(1)	-1443(1)	2.9(1)'
C(51)	2781(2)	533(1)	357(1)	2.1(1)'
C(52)	1792(2)	154(1)	310(1)	2.4(1)'
C(53)	1595(2)	-383(1)	-142(1)	2.6(1)'

C(54)	2381(2)	-542(1)	-544(1)	2.7(1)'
C(55)	3373(2)	-167(1)	-502(1)	2.7(1)'
C(56)	3565(2)	364(1)	-58(1)	2.4(1)'
C(61)	2013(2)	1190(1)	1457(1)	2.2(1)'
C(62)	2114(2)	896(1)	2131(1)	2.7(1)'
C(63)	1173(3)	913(1)	2454(2)	3.4(1)'
C(64)	140(3)	1219(1)	2119(2)	3.6(1)'
C(65)	30(2)	1510(1)	1451(2)	3.1(1)'
C(66)	955(2)	1494(1)	1122(1)	2.5(1)'
C(71)	4534(2)	918(1)	1571(1)	2.2(1)'
C(72)	5545(2)	1291(1)	1682(1)	2.6(1)'
C(73)	6618(2)	1083(1)	2128(1)	3.1(1)'

TABLE I. Fractional Coordinates (X10000) and Isotropic Thermal Parameters *

C(74)	6683(2)	495(1)	2464(1)	3.6(1)'
C(75)	5695(3)	115(1)	2343(2)	3.6(1)'
C(76)	4627(2)	319(1)	1892(1)	2.9(1)'
H(1)	5645(26)	2754(13)	2109(16)	2.9(6)
H(1')	5128(26)	3439(15)	2250(16)	3.4(6)
H(2)	1658(27)	2906(13)	-941(16)	3.0(6)
H(2')	2412(27)	2900(13)	-1551(18)	3.5(6)
H(3)	6678(43)	2489(25)	920(27)	8.6(14)
H(3')	7394(45)	3003(23)	1334(28)	8.8(12)
H(3")	6908(40)	3028(23)	528(28)	8.0(12)
H(4)	6329(40)	4304(21)	1445(26)	7.9(11)
H(4')	4877(45)	4399(24)	1142(28)	10.2(15)
H(4")	5802(37)	4371(20)	612(25)	6.9(10)
H(5)	5021(34)	3379(19)	-1163(22)	6.5(10)
H(5')	5144(36)	3988(18)	-705(22)	6.4(9)
H(5")	4213(31)	3963(17)	-1417(21)	5.6(8)
H(6)	3109(29)	4520(18)	-155(18)	5.1(8)
H(6')	2049(29)	4115(16)	-114(18)	4.6(7)
H(6")	2168(30)	4367(16)	-857(20)	4.6(7)
H(12)	3505(28)	4055(14)	2004(17)	3.5(6)
H(13)	2021(37)	4847(22)	1726(23)	8.1(10)
H(14)	223(30)	4587(17)	1051(18)	5.1(8)
H(15)	-191(29)	3547(15)	621(17)	4.3(7)
H(16)	1300(32)	2776(16)	865(20)	5.8(9)
H(22)	5042(27)	1911(14)	2823(16)	3.5(6)
H(23)	4844(27)	1462(14)	3898(17)	4.0(7)
H(24)	3156(29)	1655(15)	4288(19)	5.1(7)
H(25)	1688(30)	2259(14)	3531(18)	3.5(7)
H(26)	1838(25)	2730(12)	2473(15)	2.7(5)
H(32)	3072(30)	2030(15)	-2152(18)	4.3(7)

H(33)	4497(29)	1666(15)	-2785(20)	4.9(7)
H(34)	6214(29)	1260(15)	-2120(18)	4.6(7)
H(35)	6658(32)	1214(16)	-848(19)	5.6(8)
H(36)	5301(23)	1570(12)	-258(15)	2.8(5)
H(42)	522(22)	2089(12)	-643(14)	2.5(5)
H(43)	-1071(31)	1443(16)	-1026(17)	4.6(7)
H(44)	-1016(30)	510(15)	-1671(17)	4.7(7)
H(45)	799(29)	213(17)	-1885(18)	4.7(8)
H(46)	2438(25)	873(13)	-1518(14)	2.7(6)
H(52)	1263(22)	241(11)	575(14)	2.2(5)
H(53)	894(22)	-640(11)	-178(13)	2.1(5)
H(54)	2249(23)	-917(13)	-855(14)	2.8(5)
H(55)	3932(24)	-254(13)	-751(15)	3.1(6)
H(56)	4207(23)	632(12)	-50(14)	2.5(5)
H(62)	2904(24)	677(12)	2402(14)	2.8(5)
H(63)	1239(26)	715(14)	2918(18)	4.1(7)
H(64)	-448(32)	1275(17)	2336(19)	5.6(8)
H(65)	-661(25)	1724(13)	1238(14)	2.7(6)
H(66)	869(20)	1695(11)	673(14)	1.8(4)
H(72)	5499(25)	1678(14)	1483(15)	3.1(6)
H(73)	7308(28)	1354(14)	2193(16)	3.9(6)
H(74)	7418(27)	352(15)	2786(18)	4.3(7)
H(75)	5768(27)	-281(16)	2582(17)	4.3(7)
H(76)	3924(28)	41(15)	1768(16)	4.0(6)

TABLE II. Anisotropic Thermal Parameters (E2 X 1000)

exp[-19.739(U11hha*a*...+2(U12hka*b*...))]

ATOM	U11	U22	U33	U12	U13	U23
Rh(1)	26.6(1)	25.7(1)	23.0(1)	-3.1(1)	7.7(1)	-1.8(1)
P(1)	32.2(3)	29.4(3)	26.6(3)	-4.5(3)	9.3(2)	-4.5(2)
P(2)	28.8(3)	30.2(3)	23.9(3)	0.1(3)	5.9(2)	-0.2(2)
P(3)	24.3(3)	27.1(3)	24.9(3)	-1.8(2)	7.0(2)	-1.7(2)
Si(1)	44.8(4)	48.6(4)	34.8(4)	-21.5(4)	11.3(3)	-2.9(3)
Si(2)	40.9(4)	30.2(4)	32.5(3)	-2.0(3)	15.5(3)	2.4(3)
N(1)	41(1)	32(1)	30(1)	-9(1)	11(1)	-1(1)
C(1)	38(1)	36(1)	36(1)	-12(1)	9(1)	-6(1)
C(2)	44(2)	35(1)	32(1)	2(1)	11(1)	3(1)
C(3)	42(2)	130(4)	46(2)	-21(2)	15(2)	-4(2)
C(4)	120(4)	67(2)	52(2)	-57(3)	18(2)	-3(2)
C(5)	54(2)	55(2)	44(2)	-4(2)	21(1)	7(2)
C(6)	66(2)	39(2)	51(2)	3(2)	25(2)	1(1)
C(11)	42(1)	34(1)	30(1)	-2(1)	16(1)	-3(1)
C(12)	58(2)	38(2)	39(1)	-1(1)	7(1)	-7(1)
C(13)	85(2)	37(2)	50(2)	11(2)	16(2)	-8(1)

C(14)	68(2)	49(2)	50(2)	20(2)	23(2)	4(1)
C(15)	44(2)	54(2)	53(2)	7(1)	11(1)	3(1)
C(16)	39(1)	40(2)	51(2)	-1(1)	14(1)	-4(1)
C(21)	37(1)	29(1)	29(1)	-7(1)	10(1)	-7(1)
C(22)	33(1)	42(1)	31(1)	-5(1)	9(1)	-5(1)
C(23)	43(2)	44(2)	37(1)	-8(1)	6(1)	2(1)
C(24)	53(2)	52(2)	36(1)	-12(1)	16(1)	1(1)
C(25)	46(2)	49(2)	46(2)	-4(1)	27(1)	-1(1)
C(26)	40(1)	38(1)	39(1)	0(1)	15(1)	-2(1)
C(31)	34(1)	30(1)	29(1)	-4(1)	9(1)	-1(1)
C(32)	43(2)	46(2)	32(1)	0(1)	12(1)	0(1)
C(33)	61(2)	48(2)	39(2)	-3(1)	27(1)	-4(1)
C(34)	53(2)	43(2)	62(2)	-4(1)	38(2)	-3(1)
C(35)	38(1)	43(2)	55(2)	2(1)	22(1)	6(1)
C(36)	33(1)	36(1)	39(1)	-5(1)	11(1)	4(1)
C(41)	30(1)	34(1)	25(1)	-1(1)	1(1)	6(1)
C(42)	36(1)	44(2)	34(1)	-1(1)	6(1)	11(1)
C(43)	33(1)	66(2)	44(2)	-4(1)	5(1)	23(1)
C(44)	53(2)	57(2)	39(2)	-24(2)	-8(1)	16(1)
C(45)	57(2)	42(2)	32(1)	-14(1)	-1(1)	5(1)
C(46)	43(2)	35(1)	28(1)	-1(1)	2(1)	2(1)
C(51)	25(1)	27(1)	24(1)	1(1)	3(1)	2(1)
C(52)	27(1)	33(1)	32(1)	-1(1)	8(1)	-2(1)
C(53)	31(1)	30(1)	36(1)	-7(1)	5(1)	-2(1)
C(54)	37(1)	32(1)	33(1)	0(1)	4(1)	-8(1)
C(55)	31(1)	39(1)	31(1)	4(1)	8(1)	-5(1)
C(56)	25(1)	34(1)	30(1)	-2(1)	6(1)	0(1)
C(61)	30(1)	25(1)	27(1)	-6(1)	7(1)	-6(1)
C(62)	38(1)	34(1)	33(1)	-5(1)	13(1)	-1(1)
C(63)	48(2)	52(2)	35(1)	-11(1)	20(1)	1(1)
C(64)	36(2)	62(2)	47(2)	-10(1)	21(1)	-11(1)
C(65)	29(1)	46(2)	45(2)	-3(1)	10(1)	-10(1)
C(66)	32(1)	34(1)	31(1)	-4(1)	9(1)	-7(1)
C(71)	28(1)	31(1)	26(1)	2(1)	7(1)	-4(1)
C(72)	30(1)	35(1)	34(1)	2(1)	8(1)	-5(1)
C(73)	29(1)	49(2)	40(1)	0(1)	7(1)	-13(1)
C(74)	35(1)	58(2)	38(1)	12(1)	-2(1)	-6(1)
C(75)	47(2)	43(2)	43(2)	11(1)	6(1)	7(1)
C(76)	37(1)	35(1)	36(1)	2(1)	6(1)	0(1)

TABLE III. Interatomic Distances (A)

Rh(1)-P(1)	2.2918 (7)	C(61)-C(62)	1.398 (3)
Rh(1)-P(2)	2.2773 (6)	C(61)-C(66)	1.395 (3)
Rh(1)-P(3)	2.2121 (6)	C(62)-C(63)	1.390 (4)
Rh(1)-N(1)	2.151 (2)	C(63)-C(64)	1.374 (4)
P(1)-C(1)	1.822 (3)	C(64)-C(65)	1.382 (4)

P(1)-C(11)	1.832 (3)	C(65)-C(66)	1.383 (4)
P(1)-C(21)	1.833 (2)	C(71)-C(72)	1.391 (3)
P(2)-C(2)	1.827 (2)	C(71)-C(76)	1.390 (4)
P(2)-C(31)	1.827 (2)	C(72)-C(73)	1.394 (4)
P(2)-C(41)	1.835 (2)	C(73)-C(74)	1.383 (4)
P(3)-C(51)	1.841 (2)	C(74)-C(75)	1.378 (4)
P(3)-C(61)	1.839 (2)	C(75)-C(76)	1.391 (4)
P(3)-C(71)	1.854 (2)	C(1)-H(1)	0.970 (29)
Si(1)-N(1)	1.694 (2)	C(1)-H(1')	0.990 (32)
Si(2)-N(1)	1.690 (2)	C(2)-H(2)	1.023 (31)
Si(1)-C(1)	1.903 (3)	C(2)-H(2')	0.993 (33)
Si(1)-C(3)	1.886 (4)	C(3)-H(3)	0.945 (50)
Si(1)-C(4)	1.887 (4)	C(3)-H(3')	0.945 (52)
Si(2)-C(2)	1.893 (3)	C(3)-H(3")	0.822 (51)
Si(2)-C(5)	1.875 (3)	C(4)-H(4)	0.990 (46)
Si(2)-C(6)	1.869 (3)	C(4)-H(4')	1.016 (51)
C(11)-C(12)	1.393 (4)	C(4)-H(4")	0.943 (46)
C(11)-C(16)	1.394 (4)	C(5)-H(5)	0.958 (42)
C(12)-C(13)	1.390 (5)	C(5)-H(5')	0.927 (41)
C(13)-C(14)	1.378 (5)	C(5)-H(5")	0.973 (38)
C(14)-C(15)	1.380 (5)	C(6)-H(6)	0.948 (36)
C(15)-C(16)	1.381 (4)	C(6)-H(6')	0.951 (35)
C(21)-C(22)	1.396 (4)	C(6)-H(6")	1.005 (35)
C(21)-C(26)	1.398 (4)	C(12)-H(12)	0.902 (31)
C(22)-C(23)	1.393 (4)	C(13)-H(13)	0.952 (45)
C(23)-C(24)	1.378 (4)	C(14)-H(14)	0.921 (35)
C(24)-C(25)	1.385 (4)	C(15)-H(15)	0.920 (32)
C(25)-C(26)	1.385 (4)	C(16)-H(16)	0.955 (35)
C(31)-C(32)	1.403 (4)	C(22)-H(22)	0.914 (31)
C(31)-C(36)	1.387 (4)	C(23)-H(23)	0.949 (31)
C(32)-C(33)	1.376 (4)	C(24)-H(24)	0.957 (35)
C(33)-C(34)	1.381 (4)	C(25)-H(25)	0.853 (34)
C(34)-C(35)	1.380 (4)	C(26)-H(26)	0.968 (28)
C(35)-C(36)	1.393 (4)	C(32)-H(32)	0.923 (34)
C(41)-C(42)	1.405 (4)	C(33)-H(33)	0.943 (36)
C(41)-C(46)	1.390 (4)	C(34)-H(34)	0.907 (34)
C(42)-C(43)	1.379 (4)	C(35)-H(35)	0.940 (35)
C(43)-C(44)	1.384 (5)	C(36)-H(36)	0.941 (27)
C(44)-C(45)	1.372 (5)	C(42)-H(42)	0.952 (26)
C(45)-C(46)	1.391 (4)	C(43)-H(43)	0.915 (35)
C(51)-C(52)	1.390 (3)	C(44)-H(44)	0.971 (34)
C(51)-C(56)	1.398 (3)	C(45)-H(45)	0.934 (34)
C(52)-C(53)	1.399 (3)	C(46)-H(46)	0.923 (28)
C(53)-C(54)	1.378 (4)	C(52)-H(52)	0.909 (26)
C(54)-C(55)	1.389 (4)	C(53)-H(53)	0.970 (26)
C(55)-C(56)	1.382 (3)	C(54)-H(54)	0.975 (27)
C(55)-H(55)	0.918 (29)	C(66)-H(66)	0.932 (24)

C(56)-H(56)	0.937 (27)	C(72)-H(72)	0.893 (29)
C(62)-H(62)	1.044 (27)	C(73)-H(73)	0.971 (32)
C(63)-H(63)	0.960 (32)	C(74)-H(74)	0.967 (31)
C(64)-H(64)	0.896 (37)	C(75)-H(75)	0.942 (33)
C(65)-H(65)	0.925 (28)	C(76)-H(76)	0.989 (32)

TABLE IV. Intramolecular Angles (Deg)

P(1)-Rh(1)-P(2)	157.34 (3)	P(2)-C(41)-C(42)	117.6 (2)
P(1)-Rh(1)-P(3)	95.70 (2)	P(2)-C(41)-C(46)	124.0 (2)
P(2)-Rh(1)-P(3)	101.49 (2)	P(3)-C(51)-C(52)	124.4 (2)
P(1)-Rh(1)-N(1)	79.96 (6)	P(3)-C(51)-C(56)	117.3 (2)
P(2)-Rh(1)-N(1)	85.69 (6)	P(3)-C(61)-C(62)	126.4 (2)
P(3)-Rh(1)-N(1)	168.41 (6)	P(3)-C(61)-C(66)	115.1 (2)
Rh(1)-P(1)-C(1)	106.64 (9)	P(3)-C(71)-C(72)	117.6 (2)
Rh(1)-P(1)-C(11)	105.96 (8)	P(3)-C(71)-C(76)	123.9 (2)
Rh(1)-P(1)-C(21)	128.68 (8)	P(1)-C(1)-H(1)	106 (2)
Rh(1)-P(2)-C(2)	104.17 (9)	P(1)-C(1)-H(1')	114 (2)
Rh(1)-P(2)-C(31)	120.59 (8)	P(2)-C(2)-H(2)	104 (2)
Rh(1)-P(2)-C(41)	118.49 (8)	P(2)-C(2)-H(2')	114 (2)
Rh(1)-P(3)-C(51)	124.16 (7)	Si(1)-C(1)-H(1)	108 (2)
Rh(1)-P(3)-C(61)	115.31 (8)	Si(1)-C(1)-H(1')	114 (2)
Rh(1)-P(3)-C(71)	109.80 (8)	Si(2)-C(2)-H(2)	110 (2)
C(1)-P(1)-C(11)	106.1 (1)	Si(2)-C(2)-H(2')	112 (2)
C(1)-P(1)-C(21)	105.1 (1)	Si(1)-C(3)-H(3)	110 (3)
C(11)-P(1)-C(21)	102.6 (1)	Si(1)-C(3)-H(3')	112 (3)
C(2)-P(2)-C(31)	103.9 (1)	Si(1)-C(3)-H(3")	111 (3)
C(2)-P(2)-C(41)	104.2 (1)	Si(1)-C(4)-H(4)	108 (3)
C(31)-P(2)-C(41)	103.5 (1)	Si(1)-C(4)-H(4')	104 (3)
C(51)-P(3)-C(61)	100.6 (1)	Si(1)-C(4)-H(4")	111 (3)
C(51)-P(3)-C(71)	97.9 (1)	Si(2)-C(5)-H(5)	117 (2)
C(61)-P(3)-C(71)	106.6 (1)	Si(2)-C(5)-H(5')	109 (2)
N(1)-Si(1)-C(1)	106.3 (1)	Si(2)-C(5)-H(5")	111 (2)
N(1)-Si(1)-C(3)	113.3 (2)	Si(2)-C(6)-H(6)	111 (2)
N(1)-Si(1)-C(4)	114.5 (2)	Si(2)-C(6)-H(6')	115 (2)
N(1)-Si(2)-C(2)	105.8 (1)	Si(2)-C(6)-H(6")	115 (2)
N(1)-Si(2)-C(5)	114.2 (1)	C(12)-C(11)-C(16)	117.5 (3)
N(1)-Si(2)-C(6)	114.3 (1)	C(11)-C(12)-C(13)	120.8 (3)
C(1)-Si(1)-C(3)	107.6 (2)	C(12)-C(13)-C(14)	120.7 (3)
C(1)-Si(1)-C(4)	107.3 (2)	C(13)-C(14)-C(15)	119.1 (3)
C(3)-Si(1)-C(4)	107.6 (3)	C(14)-C(15)-C(16)	120.4 (3)
C(2)-Si(2)-C(5)	108.5 (1)	C(11)-C(16)-C(15)	121.5 (3)
C(2)-Si(2)-C(6)	107.1 (1)	C(22)-C(21)-C(26)	117.8 (2)
C(5)-Si(2)-C(6)	106.6 (2)	C(21)-C(22)-C(23)	121.3 (3)
Rh(1)-N(1)-Si(1)	112.6 (1)	C(22)-C(23)-C(24)	120.0 (3)
Rh(1)-N(1)-Si(2)	118.7 (1)	C(23)-C(24)-C(25)	119.6 (3)
Si(1)-N(1)-Si(2)	128.5 (1)	C(24)-C(25)-C(26)	120.6 (3)

P(1)-C(1)-Si(1)	105.1 (1)	C(21)-C(26)-C(25)	120.8 (3)
P(2)-C(2)-Si(2)	108.9 (1)	C(32)-C(31)-C(36)	118.4 (2)
P(1)-C(11)-C(12)	123.5 (2)	C(31)-C(32)-C(33)	120.6 (3)
P(1)-C(11)-C(16)	119.0 (2)	C(32)-C(33)-C(34)	120.4 (3)
P(1)-C(21)-C(22)	120.4 (2)	C(33)-C(34)-C(35)	120.0 (3)
P(1)-C(21)-C(26)	121.9 (2)	C(34)-C(35)-C(36)	119.8 (3)
P(2)-C(31)-C(32)	122.1 (2)	C(31)-C(36)-C(35)	120.8 (3)
P(2)-C(31)-C(36)	119.5 (2)	C(42)-C(41)-C(46)	118.2 (2)
C(41)-C(42)-C(43)	120.7 (3)	C(43)-C(42)-H(42)	119 (2)
C(42)-C(43)-C(44)	120.2 (3)	C(42)-C(43)-H(43)	118 (2)
C(43)-C(44)-C(45)	119.9 (3)	C(44)-C(43)-H(43)	122 (2)
C(44)-C(45)-C(46)	120.4 (3)	C(43)-C(44)-H(44)	118 (2)
C(41)-C(46)-C(45)	120.6 (3)	C(45)-C(44)-H(44)	122 (2)
C(52)-C(51)-C(56)	118.3 (2)	C(44)-C(45)-H(45)	119 (2)
C(51)-C(52)-C(53)	120.4 (2)	C(46)-C(45)-H(45)	120 (2)
C(52)-C(53)-C(54)	120.3 (2)	C(41)-C(46)-H(46)	119 (2)
C(53)-C(54)-C(55)	119.9 (2)	C(45)-C(46)-H(46)	120 (2)
C(54)-C(55)-C(56)	119.7 (2)	C(51)-C(52)-H(52)	122 (2)
C(51)-C(56)-C(55)	121.3 (2)	C(53)-C(52)-H(52)	118 (2)
C(62)-C(61)-C(66)	118.5 (2)	C(52)-C(53)-H(53)	120 (1)
C(61)-C(62)-C(63)	119.9 (2)	C(54)-C(53)-H(53)	120 (1)
C(62)-C(63)-C(64)	120.8 (3)	C(53)-C(54)-H(54)	120 (2)
C(63)-C(64)-C(65)	119.8 (3)	C(55)-C(54)-H(54)	120 (2)
C(64)-C(65)-C(66)	120.1 (3)	C(54)-C(55)-H(55)	124 (2)
C(61)-C(66)-C(65)	120.9 (2)	C(56)-C(55)-H(55)	117 (2)
C(72)-C(71)-C(76)	118.4 (2)	C(51)-C(56)-H(56)	119 (2)
C(71)-C(72)-C(73)	121.1 (3)	C(55)-C(56)-H(56)	120 (2)
C(72)-C(73)-C(74)	119.6 (3)	C(61)-C(62)-H(62)	120 (1)
C(73)-C(74)-C(75)	119.8 (2)	C(63)-C(62)-H(62)	120 (1)
C(74)-C(75)-C(76)	120.6 (3)	C(62)-C(63)-H(63)	120 (2)
C(71)-C(76)-C(75)	120.4 (3)	C(64)-C(63)-H(63)	119 (2)
C(11)-C(12)-H(12)	120 (2)	C(63)-C(64)-H(64)	123 (2)
C(13)-C(12)-H(12)	119 (2)	C(65)-C(64)-H(64)	117 (2)
C(12)-C(13)-H(13)	124 (3)	C(64)-C(65)-H(65)	119 (2)
C(14)-C(13)-H(13)	115 (3)	C(66)-C(65)-H(65)	121 (2)
C(13)-C(14)-H(14)	120 (2)	C(61)-C(66)-H(66)	120 (1)
C(15)-C(14)-H(14)	121 (2)	C(65)-C(66)-H(66)	119 (1)
C(14)-C(15)-H(15)	122 (2)	C(71)-C(72)-H(72)	119 (2)
C(16)-C(15)-H(15)	118 (2)	C(73)-C(72)-H(72)	119 (2)
C(11)-C(16)-H(16)	115 (2)	C(72)-C(73)-H(73)	119 (2)
C(15)-C(16)-H(16)	124 (2)	C(74)-C(73)-H(73)	121 (2)
C(21)-C(22)-H(22)	120 (2)	C(73)-C(74)-H(74)	120 (2)
C(23)-C(22)-H(22)	118 (2)	C(75)-C(74)-H(74)	120 (2)
C(22)-C(23)-H(23)	121 (2)	C(74)-C(75)-H(75)	118 (2)
C(24)-C(23)-H(23)	119 (2)	C(76)-C(75)-H(75)	122 (2)
C(23)-C(24)-H(24)	120 (2)	C(71)-C(76)-H(76)	118 (2)
C(25)-C(24)-H(24)	121 (2)	C(75)-C(76)-H(76)	122 (2)

C(24)-C(25)-H(25)	121 (2)	H(1)-C(1)-H(1')	110 (2)
C(26)-C(25)-H(25)	118 (2)	H(2)-C(2)-H(2')	107 (2)
C(21)-C(26)-H(26)	118 (2)	H(3)-C(3)-H(3')	102 (4)
C(25)-C(26)-H(26)	121 (2)	H(3)-C(3)-H(3")	107 (4)
C(31)-C(32)-H(32)	116 (2)	H(3')-C(3)-H(3")	115 (4)
C(33)-C(32)-H(32)	124 (2)	H(4)-C(4)-H(4')	112 (4)
C(32)-C(33)-H(33)	124 (2)	H(4)-C(4)-H(4")	107 (4)
C(34)-C(33)-H(33)	116 (2)	H(4')-C(4)-H(4")	115 (4)
C(33)-C(34)-H(34)	120 (2)	H(5)-C(5)-H(5')	109 (3)
C(35)-C(34)-H(34)	120 (2)	H(5)-C(5)-H(5")	107 (3)
C(34)-C(35)-H(35)	123 (2)	H(5')-C(5)-H(5")	105 (3)
C(36)-C(35)-H(35)	118 (2)	H(6)-C(6)-H(6')	107 (3)
C(31)-C(36)-H(36)	120 (2)	H(6)-C(6)-H(6")	103 (3)
C(35)-C(36)-H(36)	119 (2)	H(6')-C(6)-H(6")	104 (3)
C(41)-C(42)-H(42)	120 (2)		

TABLE V. Intramolecular Non-Bonding Distances (A)

P(1)...C(66)	3.959 (2)
P(1)...C(72)	3.689 (3)
P(2)...C(56)	3.758 (3)
P(3)...C(22)	4.009 (3)
Si(1)...C(12)	3.875 (3)
Si(2)...C(11)	4.139 (2)
N(1)...C(16)	3.798 (3)
C(16)...C(26)	3.517 (4)
C(16)...C(66)	3.632 (4)
C(21)...C(61)	3.349 (3)
C(21)...C(62)	3.444 (3)
C(22)...C(62)	3.520 (4)
C(22)...C(71)	3.486 (3)
C(22)...C(72)	3.400 (4)
C(23)...C(62)	3.641 (4)
C(24)...C(62)	3.689 (4)
C(24)...C(63)	3.593 (4)
C(25)...C(62)	3.598 (4)
C(25)...C(63)	3.317 (4)
C(25)...C(64)	3.667 (4)
C(26)...C(61)	3.567 (3)
C(26)...C(62)	3.465 (4)
C(26)...C(63)	3.543 (4)
C(26)...C(64)	3.712 (4)
C(26)...C(66)	3.732 (4)
C(32)...C(46)	3.327 (4)
C(36)...C(56)	3.601 (4)
C(41)...C(51)	3.425 (3)
C(41)...C(56)	3.558 (3)

C(45)...C(53)	3.487 (4)
C(45)...C(54)	3.454 (4)
C(45)...C(55)	3.681 (4)
C(46)...C(51)	3.459 (3)
C(46)...C(54)	3.641 (4)
C(46)...C(55)	3.337 (4)
C(46)...C(56)	3.229 (3)
C(52)...C(62)	3.719 (3)
C(52)...C(66)	3.469 (3)
C(56)...C(76)	3.587 (3)
C(62)...C(76)	3.321 (4)

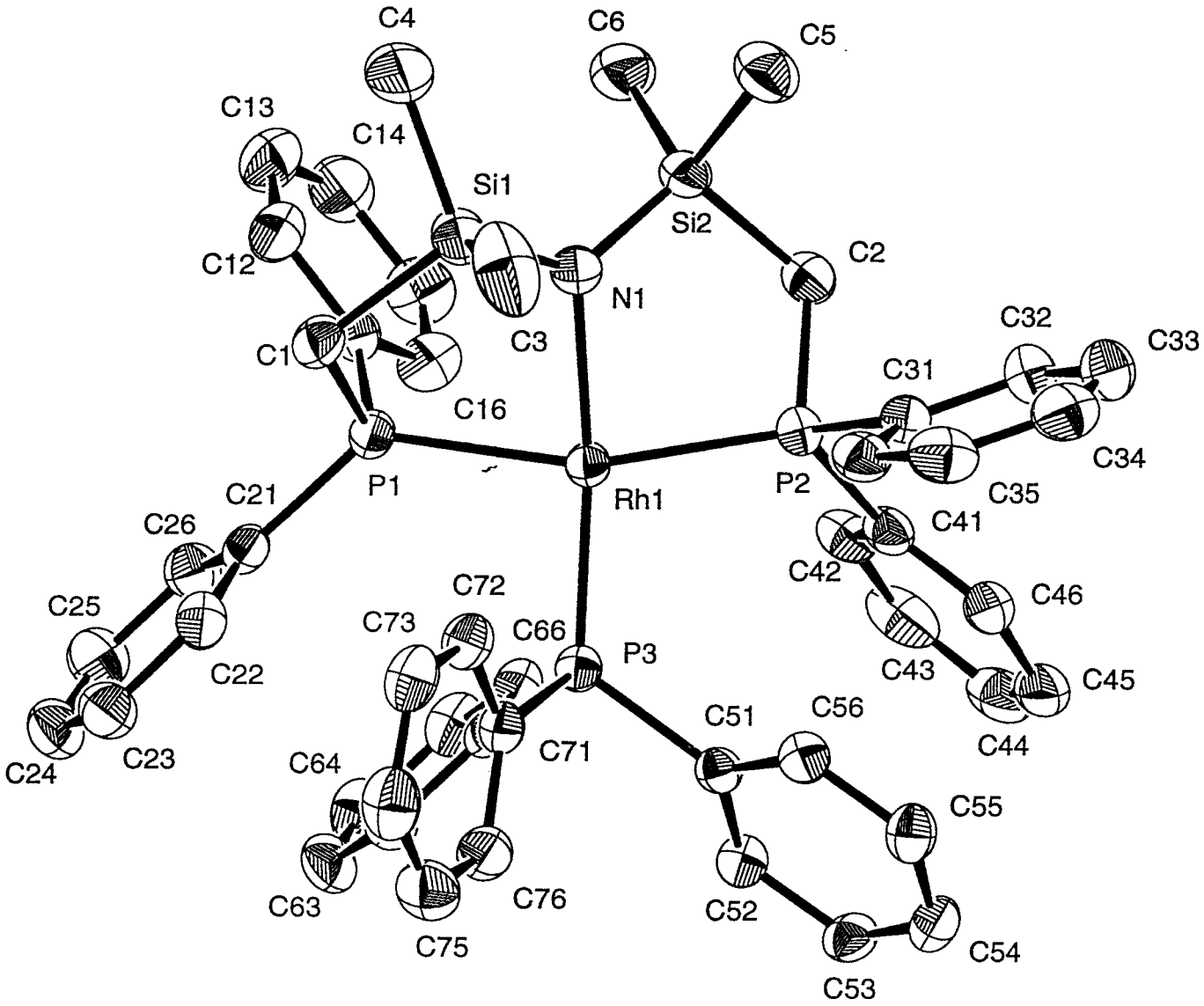
TABLE VI. Intermolecular Distances (A)

C(26)...C(34)a	3.364 (4)

Symmetry Operation Codes

a -1/2+X,1/2-Y,1/2+Z

[PhPNP]RhPPh$_3$, 1



Supporting Information
JA974200

[PhPNP]RhPpyrl3

TABLE I. Fractional Coordinates (X10000) and Isotropic Thermal Parameters

ATOM	X	Y	Z	BISO
Rh(1)	581.9(2)	1731.6(2)	8598.4(1)	1.4(0)'
P(1)	2336.2(5)	1599.9(6)	8898.9(3)	1.7(0)'
P(2)	-1072.3(5)	1545.6(6)	8164.5(3)	1.7(0)'
P(3)	325.5(5)	2890.2(5)	9182.1(3)	1.5(0)'
Si(1)	2047.4(6)	1104.5(6)	7724.5(3)	1.9(0)'
Si(2)	60.7(6)	-78.5(6)	7629.5(3)	1.8(0)'
N(1)	940(2)	778(2)	7955(1)	1.9(1)'
N(51)	-760(2)	3677(2)	9133(1)	1.8(1)'
N(61)	362(2)	2546(2)	9846(1)	1.7(1)'
N(71)	1213(2)	3892(2)	9215(1)	1.6(1)'
C(1)	2887(2)	1843(2)	8290(1)	2.2(1)'
C(2)	-1165(2)	213(2)	7896(1)	2.2(1)'
C(3)	1833(2)	1998(2)	7125(1)	2.7(1)'
C(4)	2798(2)	-72(2)	7565(1)	2.5(1)'
C(5)	-179(2)	71(3)	6875(1)	2.9(1)'
C(6)	377(2)	-1496(2)	7770(1)	2.8(1)'
C(11)	2757(2)	259(2)	9090(1)	1.9(1)'
C(12)	2065(2)	-558(2)	9083(1)	2.3(1)'
C(13)	2402(2)	-1579(2)	9203(1)	2.9(1)'
C(14)	3433(3)	-1792(3)	9333(1)	3.1(1)'
C(15)	4131(3)	-987(3)	9353(2)	4.1(1)'
C(16)	3797(2)	34(3)	9232(2)	3.7(1)'
C(21)	3115(2)	2367(2)	9432(1)	1.9(1)'
C(22)	3820(2)	3112(2)	9326(1)	2.2(1)'
C(23)	4416(2)	3669(3)	9739(1)	2.9(1)'
C(24)	4285(2)	3508(2)	10269(1)	2.8(1)'
C(25)	3585(2)	2772(3)	10385(1)	2.8(1)'
C(26)	2997(2)	2209(2)	9974(1)	2.4(1)'
C(31)	-1388(2)	2387(2)	7573(1)	2.1(1)'
C(32)	-2227(2)	2193(3)	7167(1)	2.8(1)'
C(33)	-2405(3)	2828(3)	6711(1)	3.6(1)'
C(34)	-1762(3)	3655(3)	6654(1)	3.7(1)'
C(35)	-930(3)	3856(3)	7048(1)	4.0(1)'
C(36)	-743(2)	3223(3)	7503(1)	2.9(1)'
C(41)	-2168(2)	1616(2)	8527(1)	2.0(1)'
C(42)	-3068(2)	2162(3)	8349(1)	2.7(1)'
C(43)	-3859(2)	2148(3)	8655(1)	3.3(1)'
C(44)	-3754(2)	1607(3)	9134(1)	3.3(1)'
C(45)	-2862(3)	1059(3)	9318(1)	3.1(1)'
C(46)	-2069(2)	1068(2)	9015(1)	2.6(1)'
C(52)	-1630(2)	3514(2)	9366(1)	2.2(1)'

C(53)	-2351(2)	4238(3)	9169(1)	2.6(1)'
C(54)	-1934(3)	4868(3)	8799(1)	3.3(1)'
C(55)	-970(2)	4514(2)	8777(1)	2.8(1)'
C(62)	185(2)	3142(2)	10287(1)	2.0(1)'
C(63)	204(2)	2496(3)	10719(1)	2.3(1)'
C(64)	383(2)	1458(2)	10549(1)	2.5(1)'
C(65)	476(2)	1500(2)	10016(1)	1.9(1)'
C(72)	1596(2)	4578(2)	9629(1)	2.1(1)'
C(73)	2145(2)	5344(2)	9425(1)	2.6(1)'
C(74)	2104(2)	5147(2)	8867(1)	2.6(1)'
C(75)	1541(2)	4262(2)	8747(1)	2.2(1)'

TABLE I. Fractional Coordinates (X10000) and Isotropic Thermal Parameters *

H(1)	3562	1571	8334	3.2
H(1')	2857	2577	8211	3.2
H(2)	-1728	171	7607	3.2
H(2')	-1240	-269	8175	3.2
H(3)	2477	2192	7031	3.7
H(3')	1482	2612	7210	3.7
H(3")	1437	1643	6829	3.7
H(4)	3406	154	7443	3.6
H(4')	2395	-475	7289	3.6
H(4")	2970	-491	7880	3.6
H(5)	-703	-400	6723	3.9
H(5')	433	-77	6737	3.9
H(5")	-389	776	6785	3.9
H(6)	-199	-1918	7635	3.8
H(6')	556	-1598	8149	3.8
H(6")	940	-1690	7597	3.8
H(12)	1349	-420	8996	3.3
H(13)	1918	-2133	9193	3.9
H(14)	3660	-2493	9410	4.1
H(15)	4843	-1126	9449	5.1
H(16)	4281	585	9246	4.8
H(22)	3900	3244	8964	3.2
H(23)	4907	4158	9657	4
H(24)	4675	3903	10552	3.8
H(25)	3508	2645	10750	3.7
H(26)	2508	1715	10057	3.4
H(32)	-2677	1624	7205	3.8
H(33)	-2973	2688	6437	4.6
H(34)	-1892	4089	6343	4.7
H(35)	-484	4430	7007	5
H(36)	-166	3363	7773	3.9
H(42)	-3146	2544	8020	3.7
H(43)	-4477	2520	8529	4.3

H(44)	-4297	1607	9341	4.3		
H(45)	-2790	679	9649	4.1		
H(46)	-1452	699	9142	3.6		
H(52)	-1705	2981	9622	3.2		
H(53)	-3015	4313	9262	3.6		
H(54)	-2274	5439	8601	4.3		
H(55)	-513	4792	8556	3.8		
H(62)	70	3880	10284	3		
H(63)	116	2690	11074	3.3		
H(64)	426	848	10771	3.5		
H(65)	600	922	9796	2.9		
H(72)	1489	4519	9994	3.1		
H(73)	2497	5912	9618	3.6		
H(74)	2418	5567	8627	3.6		
H(75)	1389	3938	8403	3.1		

TABLE II. Anisotropic Thermal Parameters (E2 X 1000)
exp[-19.739(U11hha*a*...+2(U12hka*b*...))]

ATOM	U11	U22	U33	U12	U13	U23
Rh(1)	17.6(1)	18.9(1)	16.3(1)	0.8(1)	2.6(1)	-2.5(1)
P(1)	18.3(4)	22.2(4)	23.4(4)	-0.7(3)	3.8(3)	-2.6(3)
P(2)	19.0(4)	24.8(4)	20.9(3)	1.5(3)	1.8(3)	-3.2(3)
P(3)	20.7(4)	19.7(4)	16.5(3)	1.3(3)	2.7(3)	-0.1(3)
Si(1)	26.8(5)	22.8(5)	23.7(4)	-0.9(3)	9.4(3)	-3.9(3)
Si(2)	24.5(4)	23.4(4)	22.0(4)	-0.5(3)	3.0(3)	-5.7(3)
N(1)	26(1)	25(1)	22(1)	1(1)	5(1)	-4(1)
N(51)	25(1)	22(1)	21(1)	5(1)	4(1)	-2(1)
N(61)	25(1)	23(1)	16(1)	1(1)	4(1)	-1(1)
N(71)	24(1)	18(1)	20(1)	-1(1)	5(1)	0(1)
C(1)	26(2)	28(2)	31(2)	-5(1)	9(1)	-6(1)
C(2)	25(2)	27(2)	29(2)	-3(1)	0(1)	-7(1)
C(3)	40(2)	31(2)	34(2)	0(1)	14(1)	0(1)
C(4)	34(2)	33(2)	32(2)	0(1)	13(1)	-3(1)
C(5)	37(2)	43(2)	30(2)	-6(1)	2(1)	-9(1)
C(6)	34(2)	30(2)	42(2)	-3(1)	3(1)	-7(1)
C(11)	19(2)	23(2)	30(2)	3(1)	4(1)	-1(1)
C(12)	22(2)	32(2)	33(2)	0(1)	1(1)	0(1)
C(13)	38(2)	24(2)	45(2)	-4(1)	0(1)	5(1)
C(14)	42(2)	27(2)	49(2)	9(1)	4(1)	2(1)
C(15)	24(2)	36(2)	91(3)	12(2)	1(2)	4(2)
C(16)	23(2)	34(2)	83(3)	0(1)	3(2)	1(2)
C(21)	22(2)	24(2)	27(1)	2(1)	2(1)	-3(1)
C(22)	28(2)	26(2)	30(2)	-1(1)	5(1)	-3(1)
C(23)	34(2)	31(2)	46(2)	-8(1)	3(1)	-7(1)
C(24)	37(2)	30(2)	35(2)	0(1)	-6(1)	-8(1)

C(25)	37(2)	39(2)	26(2)	3(1)	-2(1)	0(1)
C(26)	24(2)	36(2)	30(2)	-1(1)	2(1)	2(1)
C(31)	24(2)	31(2)	22(1)	7(1)	2(1)	-3(1)
C(32)	32(2)	45(2)	29(2)	7(1)	0(1)	-4(1)
C(33)	41(2)	67(3)	26(2)	24(2)	-5(1)	-4(2)
C(34)	62(3)	51(2)	29(2)	23(2)	7(2)	9(2)
C(35)	66(3)	41(2)	42(2)	6(2)	5(2)	12(2)
C(36)	41(2)	34(2)	32(2)	2(1)	-2(1)	3(1)
C(41)	17(2)	29(2)	30(1)	-2(1)	3(1)	-8(1)
C(42)	26(2)	43(2)	32(2)	1(1)	1(1)	-7(1)
C(43)	23(2)	53(2)	52(2)	0(1)	7(1)	-12(2)
C(44)	32(2)	47(2)	52(2)	-9(2)	20(1)	-12(2)
C(45)	49(2)	33(2)	39(2)	-9(2)	21(2)	-4(1)
C(46)	34(2)	30(2)	34(2)	2(1)	7(1)	-4(1)
C(52)	25(2)	33(2)	27(1)	1(1)	3(1)	-7(1)
C(53)	23(2)	40(2)	34(2)	7(1)	-1(1)	-13(1)
C(54)	41(2)	40(2)	42(2)	17(2)	-1(1)	3(2)
C(55)	38(2)	35(2)	35(2)	11(1)	7(1)	11(1)
C(62)	26(2)	27(2)	24(1)	-1(1)	5(1)	-4(1)
C(63)	27(2)	43(2)	19(1)	-1(1)	5(1)	1(1)
C(64)	29(2)	36(2)	31(2)	2(1)	6(1)	11(1)
C(65)	25(2)	22(2)	26(1)	0(1)	4(1)	4(1)
C(72)	33(2)	25(2)	23(1)	-2(1)	8(1)	-7(1)
C(73)	39(2)	26(2)	35(2)	-7(1)	12(1)	-6(1)
C(74)	43(2)	27(2)	32(2)	-8(1)	14(1)	4(1)
C(75)	34(2)	30(2)	20(1)	-1(1)	10(1)	1(1)

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TABLE III. Interatomic Distances (A)

Rh(1)-P(1)	2.3261 (8)	C(62)-C(63)	1.355 (4)
Rh(1)-P(2)	2.2923 (8)	C(63)-C(64)	1.417 (4)
Rh(1)-P(3)	2.1404 (7)	C(64)-C(65)	1.363 (4)
Rh(1)-N(1)	2.130 (2)	C(72)-C(73)	1.362 (4)
P(3)-N(51)	1.736 (2)	C(73)-C(74)	1.415 (4)
P(3)-N(61)	1.714 (2)	C(74)-C(75)	1.355 (4)
P(3)-N(71)	1.723 (2)	C(1)-H(1)	0.947 (0)
P(1)-C(1)	1.822 (3)	C(1)-H(1')	0.952 (0)
P(1)-C(11)	1.831 (3)	C(2)-H(2)	0.952 (0)
P(1)-C(21)	1.831 (3)	C(2)-H(2')	0.947 (0)
P(2)-C(2)	1.818 (3)	C(3)-H(3)	0.952 (0)
P(2)-C(31)	1.822 (3)	C(3)-H(3')	0.948 (0)
P(2)-C(41)	1.833 (3)	C(3)-H(3")	0.950 (0)
Si(1)-N(1)	1.710 (2)	C(4)-H(4)	0.950 (0)
Si(2)-N(1)	1.701 (2)	C(4)-H(4')	0.952 (0)
Si(1)-C(1)	1.901 (3)	C(4)-H(4")	0.948 (0)

Si(1)-C(3)	1.869 (3)	C(5)-H(5)	0.947 (0)
Si(1)-C(4)	1.872 (3)	C(5)-H(5')	0.950 (0)
Si(2)-C(2)	1.887 (3)	C(5)-H(5")	0.954 (0)
Si(2)-C(5)	1.876 (3)	C(6)-H(6)	0.947 (0)
Si(2)-C(6)	1.869 (3)	C(6)-H(6')	0.950 (0)
N(51)-C(52)	1.387 (4)	C(6)-H(6")	0.952 (0)
N(51)-C(55)	1.388 (3)	C(12)-H(12)	0.952 (0)
N(61)-C(62)	1.393 (3)	C(13)-H(13)	0.949 (0)
N(61)-C(65)	1.396 (3)	C(14)-H(14)	0.949 (0)
N(71)-C(72)	1.387 (3)	C(15)-H(15)	0.950 (0)
N(71)-C(75)	1.396 (3)	C(16)-H(16)	0.946 (0)
C(11)-C(12)	1.381 (4)	C(22)-H(22)	0.946 (0)
C(11)-C(16)	1.393 (4)	C(23)-H(23)	0.944 (0)
C(12)-C(13)	1.388 (4)	C(24)-H(24)	0.950 (0)
C(13)-C(14)	1.376 (5)	C(25)-H(25)	0.949 (0)
C(14)-C(15)	1.372 (5)	C(26)-H(26)	0.948 (0)
C(15)-C(16)	1.387 (5)	C(32)-H(32)	0.950 (0)
C(21)-C(22)	1.384 (4)	C(33)-H(33)	0.950 (0)
C(21)-C(26)	1.407 (4)	C(34)-H(34)	0.947 (0)
C(22)-C(23)	1.391 (4)	C(35)-H(35)	0.953 (0)
C(23)-C(24)	1.382 (4)	C(36)-H(36)	0.951 (0)
C(24)-C(25)	1.378 (5)	C(42)-H(42)	0.950 (0)
C(25)-C(26)	1.385 (4)	C(43)-H(43)	0.952 (0)
C(31)-C(32)	1.401 (4)	C(44)-H(44)	0.951 (0)
C(31)-C(36)	1.390 (4)	C(45)-H(45)	0.951 (0)
C(32)-C(33)	1.388 (5)	C(46)-H(46)	0.950 (0)
C(33)-C(34)	1.373 (5)	C(52)-H(52)	0.948 (0)
C(34)-C(35)	1.379 (5)	C(53)-H(53)	0.949 (0)
C(35)-C(36)	1.386 (4)	C(54)-H(54)	0.949 (0)
C(41)-C(42)	1.387 (4)	C(55)-H(55)	0.951 (0)
C(41)-C(46)	1.395 (4)	C(62)-H(62)	0.949 (0)
C(42)-C(43)	1.392 (4)	C(63)-H(63)	0.949 (0)
C(43)-C(44)	1.373 (5)	C(64)-H(64)	0.950 (0)
C(44)-C(45)	1.382 (5)	C(65)-H(65)	0.947 (0)
C(45)-C(46)	1.391 (4)	C(72)-H(72)	0.950 (0)
C(52)-C(53)	1.359 (4)	C(73)-H(73)	0.948 (0)
C(53)-C(54)	1.404 (5)	C(74)-H(74)	0.949 (0)
C(54)-C(55)	1.361 (4)	C(75)-H(75)	0.949 (0)

TABLE IV. Intramolecular Angles (Deg)

P(1)-Rh(1)-P(2)	166.26 (4)	P(2)-C(31)-C(36)	119.0 (2)
P(1)-Rh(1)-P(3)	95.00 (3)	P(2)-C(41)-C(42)	124.8 (2)
P(2)-Rh(1)-P(3)	98.72 (3)	P(2)-C(41)-C(46)	116.1 (2)
P(1)-Rh(1)-N(1)	82.71 (6)	P(1)-C(1)-H(1)	110 (0)
P(2)-Rh(1)-N(1)	83.86 (6)	P(1)-C(1)-H(1')	109 (0)
P(3)-Rh(1)-N(1)	170.92 (9)	P(2)-C(2)-H(2)	109 (0)

Rh(1)-P(3)-N(51)	124.53 (7)	P(2)-C(2)-H(2')	110 (0)
Rh(1)-P(3)-N(61)	120.38 (8)	Si(1)-C(1)-H(1)	110 (0)
Rh(1)-P(3)-N(71)	111.03 (8)	Si(1)-C(1)-H(1')	109 (0)
Rh(1)-P(1)-C(1)	103.2 (1)	Si(2)-C(2)-H(2)	109 (0)
Rh(1)-P(1)-C(11)	113.4 (1)	Si(2)-C(2)-H(2')	109 (0)
Rh(1)-P(1)-C(21)	127.7 (1)	Si(1)-C(3)-H(3)	109 (0)
Rh(1)-P(2)-C(2)	105.9 (1)	Si(1)-C(3)-H(3')	110 (0)
Rh(1)-P(2)-C(31)	113.7 (1)	Si(1)-C(3)-H(3")	109 (0)
Rh(1)-P(2)-C(41)	121.94 (9)	Si(1)-C(4)-H(4)	109 (0)
N(51)-P(3)-N(61)	96.3 (1)	Si(1)-C(4)-H(4')	109 (0)
N(51)-P(3)-N(71)	97.3 (1)	Si(1)-C(4)-H(4")	110 (0)
N(61)-P(3)-N(71)	103.3 (1)	Si(2)-C(5)-H(5)	110 (0)
C(1)-P(1)-C(11)	103.4 (1)	Si(2)-C(5)-H(5')	109 (0)
C(1)-P(1)-C(21)	105.6 (1)	Si(2)-C(5)-H(5")	109 (0)
C(11)-P(1)-C(21)	101.1 (1)	Si(2)-C(6)-H(6)	110 (0)
C(2)-P(2)-C(31)	104.6 (1)	Si(2)-C(6)-H(6')	109 (0)
C(2)-P(2)-C(41)	102.6 (1)	Si(2)-C(6)-H(6")	109 (0)
C(31)-P(2)-C(41)	106.3 (1)	N(51)-C(52)-C(53)	109.0 (3)
N(1)-Si(1)-C(1)	107.2 (1)	N(51)-C(55)-C(54)	108.6 (3)
N(1)-Si(1)-C(3)	113.1 (1)	N(61)-C(62)-C(63)	108.8 (2)
N(1)-Si(1)-C(4)	113.0 (1)	N(61)-C(65)-C(64)	108.4 (2)
N(1)-Si(2)-C(2)	105.3 (1)	N(71)-C(72)-C(73)	108.6 (2)
N(1)-Si(2)-C(5)	114.3 (1)	N(71)-C(75)-C(74)	109.1 (2)
N(1)-Si(2)-C(6)	114.2 (1)	N(51)-C(52)-H(52)	125 (0)
C(1)-Si(1)-C(3)	107.2 (1)	N(51)-C(55)-H(55)	125 (0)
C(1)-Si(1)-C(4)	106.7 (1)	N(61)-C(62)-H(62)	125 (0)
C(3)-Si(1)-C(4)	109.3 (1)	N(61)-C(65)-H(65)	125 (0)
C(2)-Si(2)-C(5)	108.8 (1)	N(71)-C(72)-H(72)	125 (0)
C(2)-Si(2)-C(6)	107.5 (1)	N(71)-C(75)-H(75)	125 (0)
C(5)-Si(2)-C(6)	106.5 (1)	C(12)-C(11)-C(16)	118.3 (3)
Rh(1)-N(1)-Si(1)	115.2 (1)	C(11)-C(12)-C(13)	120.6 (3)
Rh(1)-N(1)-Si(2)	120.6 (1)	C(12)-C(13)-C(14)	120.4 (3)
P(3)-N(51)-C(52)	128.0 (2)	C(13)-C(14)-C(15)	119.7 (3)
P(3)-N(51)-C(55)	124.4 (2)	C(14)-C(15)-C(16)	120.0 (3)
P(3)-N(61)-C(62)	130.7 (2)	C(11)-C(16)-C(15)	120.9 (3)
P(3)-N(61)-C(65)	121.7 (2)	C(22)-C(21)-C(26)	117.8 (3)
P(3)-N(71)-C(72)	131.5 (2)	C(21)-C(22)-C(23)	121.4 (3)
P(3)-N(71)-C(75)	120.6 (2)	C(22)-C(23)-C(24)	119.9 (3)
Si(1)-N(1)-Si(2)	123.2 (1)	C(23)-C(24)-C(25)	119.7 (3)
C(52)-N(51)-C(55)	107.0 (2)	C(24)-C(25)-C(26)	120.5 (3)
C(62)-N(61)-C(65)	107.3 (2)	C(21)-C(26)-C(25)	120.6 (3)
C(72)-N(71)-C(75)	107.0 (2)	C(32)-C(31)-C(36)	118.3 (3)
P(1)-C(1)-Si(1)	106.1 (1)	C(31)-C(32)-C(33)	120.3 (3)
P(2)-C(2)-Si(2)	107.6 (1)	C(32)-C(33)-C(34)	120.3 (3)
P(1)-C(11)-C(12)	121.5 (2)	C(33)-C(34)-C(35)	120.1 (3)
P(1)-C(11)-C(16)	120.2 (2)	C(34)-C(35)-C(36)	119.9 (3)
P(1)-C(21)-C(22)	122.6 (2)	C(31)-C(36)-C(35)	121.0 (3)

P(1)-C(21)-C(26)	119.6 (2)	C(42)-C(41)-C(46)	119.1 (3)
P(2)-C(31)-C(32)	122.6 (2)	C(41)-C(42)-C(43)	119.9 (3)

TABLE IV. Intramolecular Angles (Deg) (continued)

C(42)-C(43)-C(44)	120.6 (3)	C(43)-C(42)-H(42)	120 (0)
C(43)-C(44)-C(45)	120.3 (3)	C(42)-C(43)-H(43)	120 (0)
C(44)-C(45)-C(46)	119.4 (3)	C(44)-C(43)-H(43)	120 (0)
C(41)-C(46)-C(45)	120.7 (3)	C(43)-C(44)-H(44)	120 (0)
C(52)-C(53)-C(54)	107.4 (3)	C(45)-C(44)-H(44)	120 (0)
C(53)-C(54)-C(55)	107.9 (3)	C(44)-C(45)-H(45)	120 (0)
C(62)-C(63)-C(64)	107.8 (2)	C(46)-C(45)-H(45)	120 (0)
C(63)-C(64)-C(65)	107.8 (2)	C(41)-C(46)-H(46)	120 (0)
C(72)-C(73)-C(74)	108.0 (3)	C(45)-C(46)-H(46)	120 (0)
C(73)-C(74)-C(75)	107.3 (3)	C(53)-C(52)-H(52)	126 (0)
C(11)-C(12)-H(12)	120 (0)	C(52)-C(53)-H(53)	127 (0)
C(13)-C(12)-H(12)	120 (0)	C(54)-C(53)-H(53)	126 (0)
C(12)-C(13)-H(13)	120 (0)	C(53)-C(54)-H(54)	125 (0)
C(14)-C(13)-H(13)	120 (0)	C(55)-C(54)-H(54)	127 (0)
C(13)-C(14)-H(14)	120 (0)	C(54)-C(55)-H(55)	126 (0)
C(15)-C(14)-H(14)	120 (0)	C(63)-C(62)-H(62)	126 (0)
C(14)-C(15)-H(15)	120 (0)	C(62)-C(63)-H(63)	127 (0)
C(16)-C(15)-H(15)	120 (0)	C(64)-C(63)-H(63)	125 (0)
C(11)-C(16)-H(16)	120 (0)	C(63)-C(64)-H(64)	125 (0)
C(15)-C(16)-H(16)	120 (0)	C(65)-C(64)-H(64)	127 (0)
C(21)-C(22)-H(22)	119 (0)	C(64)-C(65)-H(65)	126 (0)
C(23)-C(22)-H(22)	119 (0)	C(73)-C(72)-H(72)	126 (0)
C(22)-C(23)-H(23)	120 (0)	C(72)-C(73)-H(73)	127 (0)
C(24)-C(23)-H(23)	120 (0)	C(74)-C(73)-H(73)	125 (0)
C(23)-C(24)-H(24)	120 (0)	C(73)-C(74)-H(74)	125 (0)
C(25)-C(24)-H(24)	120 (0)	C(75)-C(74)-H(74)	127 (0)
C(24)-C(25)-H(25)	120 (0)	C(74)-C(75)-H(75)	126 (0)
C(26)-C(25)-H(25)	120 (0)	H(1)-C(1)-H(1')	113 (0)
C(21)-C(26)-H(26)	119 (0)	H(2)-C(2)-H(2')	111 (0)
C(25)-C(26)-H(26)	120 (0)	H(3)-C(3)-H(3')	109 (0)
C(31)-C(32)-H(32)	120 (0)	H(3)-C(3)-H(3")	109 (0)
C(33)-C(32)-H(32)	120 (0)	H(3')-C(3)-H(3")	110 (0)
C(32)-C(33)-H(33)	120 (0)	H(4)-C(4)-H(4')	109 (0)
C(34)-C(33)-H(33)	120 (0)	H(4)-C(4)-H(4")	110 (0)
C(33)-C(34)-H(34)	120 (0)	H(4')-C(4)-H(4")	110 (0)
C(35)-C(34)-H(34)	120 (0)	H(5)-C(5)-H(5')	110 (0)
C(34)-C(35)-H(35)	120 (0)	H(5)-C(5)-H(5")	109 (0)
C(36)-C(35)-H(35)	120 (0)	H(5')-C(5)-H(5")	109 (0)
C(31)-C(36)-H(36)	119 (0)	H(6)-C(6)-H(6')	110 (0)
C(35)-C(36)-H(36)	120 (0)	H(6)-C(6)-H(6")	109 (0)
C(41)-C(42)-H(42)	120 (0)	H(6')-C(6)-H(6")	109 (0)

TABLE V. Intramolecular Non-Bonding Distances (A)

P(1)...C(65)	4.016 (3)	C(22)...C(75)	3.450 (4)
P(1)...C(75)	3.542 (3)	C(23)...C(73)	3.659 (5)
P(2)...C(55)	4.064 (3)	C(26)...C(65)	3.470 (4)
P(3)...C(26)	3.861 (3)	C(26)...C(72)	3.565 (4)
P(3)...C(46)	3.888 (3)	C(32)...C(42)	3.329 (4)
Si(1)...C(12)	4.004 (3)	C(36)...C(55)	3.646 (4)
N(1)...C(12)	3.425 (4)	C(41)...C(52)	3.202 (4)
N(51)...C(41)	3.422 (4)	C(41)...C(53)	3.723 (4)
N(51)...C(46)	3.726 (4)	C(42)...C(52)	3.392 (4)
N(61)...C(26)	3.473 (4)	C(42)...C(53)	3.384 (4)
N(71)...C(21)	3.150 (3)	C(43)...C(52)	3.630 (4)
N(71)...C(22)	3.554 (4)	C(43)...C(53)	3.443 (5)
N(71)...C(26)	3.508 (4)	C(44)...C(52)	3.682 (4)
C(3)...C(5)	3.595 (4)	C(45)...C(52)	3.510 (4)
C(16)...C(26)	3.584 (5)	C(46)...C(52)	3.254 (4)
C(21)...C(72)	3.532 (4)	C(52)...C(62)	3.088 (4)
C(21)...C(75)	3.452 (4)	C(55)...C(72)	3.708 (4)
C(22)...C(72)	3.662 (4)	C(55)...C(75)	3.347 (4)
C(22)...C(73)	3.630 (4)	C(62)...C(72)	3.242 (4)
C(22)...C(74)	3.508 (4)		

TABLE VI. Intermolecular Distances (A)

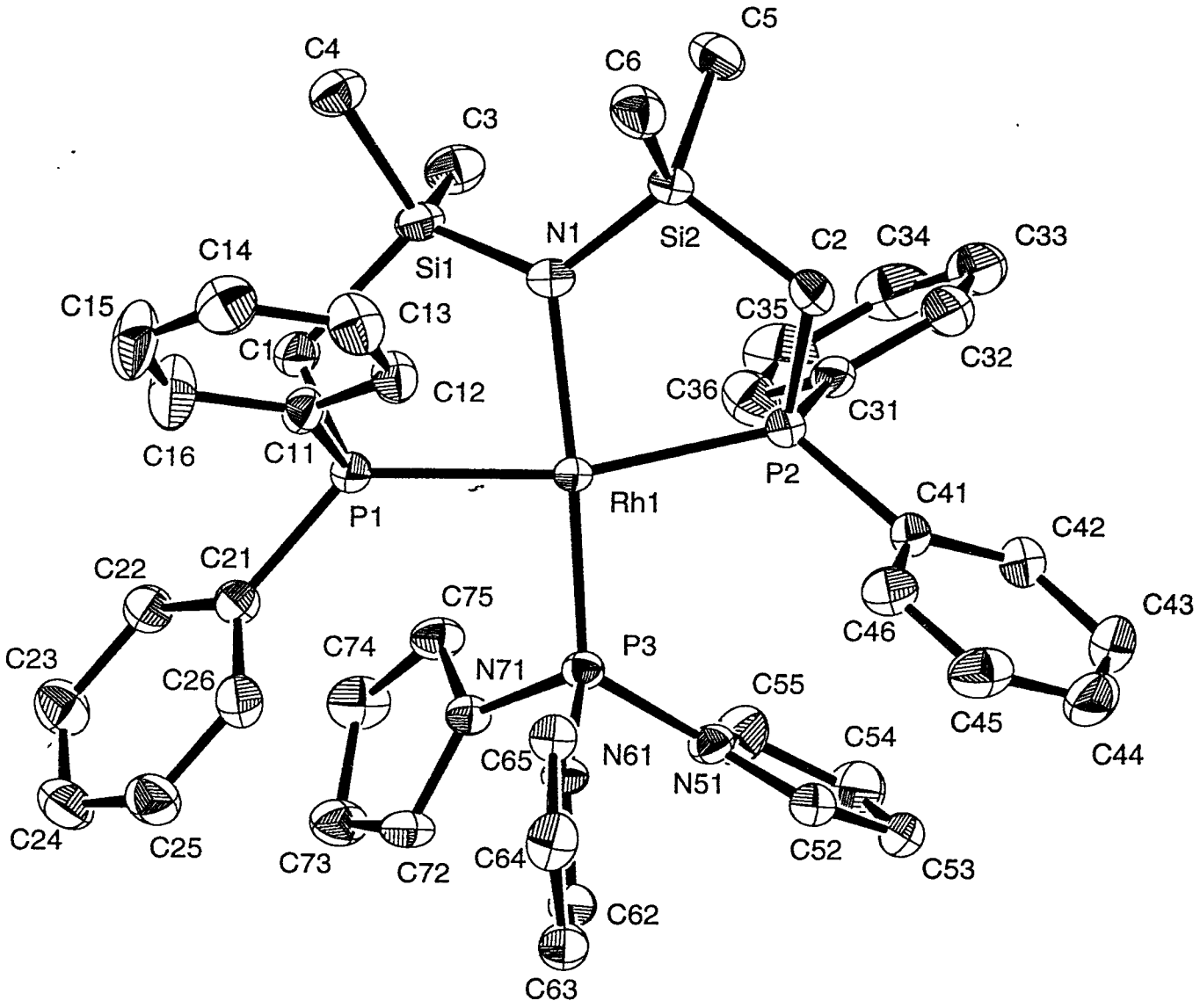
C(53)...C(72)a	3.371 (4)

Symmetry Operation Codes

a -X,1-Y,2-Z

97140

97140 [PhPNP]RhPPyr3, 4



Supporting Information
JA974200

[PhPNP]Rh(CO), 6

[PhPNP]Rh(CO)

TABLE I. Fractional Coordinates (X10000) and Isotropic Thermal Parameters

ATOM	X	Y	Z	BISO
Rh(1)	7370.4(1)	4769.8(1)	3231.3(2)	1.6(0)'
Rh(51)	7189.8(1)	8675.4(1)	13371.1(2)	1.7(0)'
P(1)	8345.0(4)	5920.9(4)	3698.1(7)	1.7(0)'
P(2)	6377.2(4)	3629.9(4)	2469.9(7)	1.8(0)'
P(51)	5901.9(4)	7952.7(4)	13370.7(7)	1.8(0)'
P(52)	8453.9(4)	9430.8(4)	13498.2(7)	1.9(0)'
Si(1)	8079.3(4)	5571.1(4)	671.1(7)	1.9(0)'
Si(2)	7426.9(4)	3827.5(4)	320.3(8)	2.2(0)'
Si(51)	6303.2(4)	9001.3(4)	16020.3(7)	1.9(0)'
Si(52)	8020.3(4)	9827.8(4)	16266.2(7)	2.0(0)'
O(7)	7055(1)	4870(1)	6112(2)	3.7(1)'
O(57)	7289(1)	8034(2)	10508(2)	4.9(1)'
N(1)	7667(1)	4736(1)	1231(2)	2.2(1)'
N(51)	7197(1)	9151(1)	15438(2)	1.9(1)'
C(1)	8283(1)	6360(1)	2227(3)	2.1(1)'
C(2)	6392(2)	3372(1)	654(3)	2.3(1)'
C(3)	9017(2)	5620(2)	-66(3)	3.2(1)'
C(4)	7417(2)	5808(2)	-562(3)	2.7(1)'
C(5)	8038(2)	3256(2)	893(3)	3.4(1)'
C(6)	7460(2)	3753(2)	-1559(3)	3.1(1)'
C(7)	7167(1)	4825(1)	4973(3)	2.1(1)'
C(11)	8359(1)	6627(1)	5210(3)	1.9(1)'
C(12)	8647(2)	6539(1)	6472(3)	2.3(1)'
C(13)	8627(2)	7043(2)	7633(3)	2.6(1)'
C(14)	8294(2)	7620(2)	7567(3)	2.6(1)'
C(15)	7993(2)	7701(2)	6318(3)	2.5(1)'
C(16)	8037(2)	7210(1)	5145(3)	2.3(1)'
C(21)	9324(1)	5846(2)	3804(3)	2.3(1)'
C(22)	9967(2)	6485(2)	4310(4)	3.4(1)'
C(23)	10716(2)	6407(3)	4333(4)	4.7(1)'
C(24)	10815(2)	5706(3)	3844(4)	4.6(1)'
C(25)	10185(2)	5086(2)	3330(4)	3.9(1)'
C(26)	9442(2)	5148(2)	3326(3)	2.8(1)'
C(31)	5385(1)	3608(1)	2744(3)	1.9(1)'
C(32)	5227(2)	3969(2)	3973(3)	2.3(1)'
C(33)	4483(2)	3981(2)	4195(3)	2.6(1)'
C(34)	3879(2)	3631(2)	3168(3)	2.8(1)'
C(35)	4016(2)	3263(2)	1952(3)	3.2(1)'
C(36)	4762(2)	3246(2)	1724(3)	2.7(1)'
C(41)	6469(1)	2791(1)	3144(3)	1.9(1)'
C(42)	5988(2)	2058(2)	2555(3)	2.4(1)'
C(43)	6065(2)	1420(2)	3035(3)	2.9(1)'

C(44)	6620(2)	1507(2)	4103(3)	3.0(1)'
C(45)	7087(2)	2230(2)	4706(3)	3.1(1)'
C(46)	7020(2)	2867(2)	4220(3)	2.6(1)'
C(51)	5702(1)	8014(1)	15124(3)	1.9(1)'
C(52)	8831(1)	9660(1)	15278(3)	2.2(1)'
C(53)	6305(2)	9023(2)	17899(3)	3.3(1)'
C(54)	5800(2)	9689(2)	15566(3)	2.8(1)'
C(55)	8283(2)	9750(2)	18058(3)	2.9(1)'
C(56)	8015(2)	10841(2)	16322(3)	3.0(1)'
C(57)	7235(2)	8272(2)	11620(3)	2.9(1)'
C(61)	5589(1)	6932(1)	12645(3)	1.9(1)'
C(62)	6135(2)	6558(2)	12389(3)	2.7(1)'
C(63)	5918(2)	5772(2)	11970(3)	3.2(1)'
C(64)	5145(2)	5347(2)	11797(3)	2.7(1)'
C(65)	4592(2)	5706(2)	12049(3)	3.1(1)'
C(66)	4809(2)	6496(2)	12473(3)	2.7(1)'
C(71)	5207(1)	8320(1)	12511(3)	2.1(1)'
C(72)	4447(2)	8201(2)	12848(3)	2.5(1)'
C(73)	3935(2)	8473(2)	12142(3)	3.0(1)'
C(74)	4173(2)	8878(2)	11128(3)	3.5(1)'
C(75)	4923(2)	9013(2)	10793(3)	3.2(1)'
C(76)	5441(2)	8734(2)	11474(3)	2.5(1)'
C(81)	9107(1)	9040(2)	12504(3)	2.2(1)'
C(82)	9434(2)	8522(2)	12980(3)	2.6(1)'
C(83)	9887(2)	8184(2)	12178(4)	3.2(1)'
C(84)	10013(2)	8352(2)	10902(4)	3.6(1)'
C(85)	9688(2)	8856(2)	10421(3)	3.4(1)'
C(86)	9240(2)	9201(2)	11220(3)	2.8(1)'
C(91)	8604(1)	10361(2)	12996(3)	2.2(1)'
C(92)	7987(2)	10550(2)	12402(4)	3.4(1)'
C(93)	8110(2)	11276(2)	12088(4)	4.3(1)'
C(94)	8838(2)	11806(2)	12342(4)	4.1(1)'
C(95)	9450(2)	11623(2)	12904(4)	3.6(1)'
C(96)	9334(2)	10909(2)	13234(3)	2.9(1)'

TABLE II. Anisotropic Thermal Parameters (E2 X 1000)
exp[-19.739(U11hha*a*...+2(U12hka*b*...))]

ATOM	U11	U22	U33	U12	U13	U23
Rh(1)	21.3(1)	19.0(1)	18.1(1)	2.3(1)	1.7(1)	3.0(1)
Rh(51)	16.0(1)	23.6(1)	21.3(1)	0.3(1)	0.0(1)	1.6(1)
P(1)	18.9(3)	21.6(3)	23.0(4)	3.1(3)	0.4(2)	3.9(3)
P(2)	24.1(3)	19.8(3)	21.1(4)	2.1(3)	0.1(3)	3.0(3)
P(51)	17.0(3)	21.2(3)	25.0(4)	1.3(2)	0.5(2)	1.8(3)
P(52)	15.5(3)	25.5(3)	27.7(4)	1.2(3)	-0.6(3)	3.9(3)
Si(1)	24.4(4)	25.4(4)	21.6(4)	3.7(3)	4.1(3)	6.1(3)
Si(2)	35.2(4)	23.7(4)	22.5(4)	7.0(3)	5.6(3)	3.2(3)

Si(51)	22.5(4)	23.3(4)	23.6(4)	4.1(3)	2.6(3)	1.5(3)
Si(52)	21.6(4)	24.2(4)	25.8(4)	4.2(3)	-3.1(3)	-0.1(3)
O(7)	48(1)	54(1)	26(1)	-2(1)	7(1)	5(1)
O(57)	47(1)	82(2)	29(1)	-7(1)	10(1)	-15(1)
N(1)	30(1)	24(1)	26(1)	4(1)	4(1)	4(1)
N(51)	22(1)	25(1)	22(1)	4(1)	0(1)	3(1)
C(1)	25(1)	23(1)	28(2)	2(1)	-1(1)	5(1)
C(2)	38(2)	23(1)	22(1)	4(1)	2(1)	2(1)
C(3)	37(2)	44(2)	45(2)	13(1)	17(1)	14(1)
C(4)	33(2)	36(2)	30(2)	3(1)	-2(1)	6(1)
C(5)	49(2)	40(2)	43(2)	18(1)	10(1)	7(1)
C(6)	51(2)	36(2)	28(2)	7(1)	10(1)	3(1)
C(7)	25(1)	27(1)	24(2)	0(1)	1(1)	5(1)
C(11)	17(1)	22(1)	28(2)	1(1)	0(1)	3(1)
C(12)	31(1)	25(1)	30(2)	5(1)	-1(1)	6(1)
C(13)	36(2)	33(2)	27(2)	4(1)	2(1)	7(1)
C(14)	35(2)	25(1)	31(2)	2(1)	6(1)	0(1)
C(15)	32(1)	26(1)	38(2)	9(1)	3(1)	5(1)
C(16)	30(1)	26(1)	26(2)	4(1)	-1(1)	2(1)
C(21)	22(1)	43(2)	24(2)	10(1)	5(1)	11(1)
C(22)	26(2)	54(2)	46(2)	4(1)	5(1)	12(2)
C(23)	21(2)	88(3)	64(3)	4(2)	3(2)	23(2)
C(24)	35(2)	108(3)	46(2)	36(2)	16(2)	30(2)
C(25)	50(2)	79(3)	38(2)	43(2)	10(2)	15(2)
C(26)	34(2)	52(2)	27(2)	22(1)	4(1)	7(1)
C(31)	26(1)	19(1)	27(2)	5(1)	0(1)	6(1)
C(32)	28(1)	28(1)	27(2)	3(1)	0(1)	7(1)
C(33)	30(1)	30(1)	39(2)	6(1)	10(1)	10(1)
C(34)	26(1)	29(1)	51(2)	7(1)	1(1)	9(1)
C(35)	26(1)	34(2)	53(2)	2(1)	-13(1)	1(1)
C(36)	35(2)	27(1)	35(2)	7(1)	-4(1)	-2(1)
C(41)	25(1)	23(1)	25(1)	4(1)	8(1)	7(1)
C(42)	30(1)	29(1)	29(2)	5(1)	0(1)	5(1)
C(43)	35(2)	24(1)	48(2)	3(1)	7(1)	9(1)
C(44)	34(2)	33(2)	52(2)	12(1)	13(1)	22(1)
C(45)	35(2)	42(2)	43(2)	9(1)	0(1)	19(1)
C(46)	30(1)	30(1)	36(2)	4(1)	-2(1)	7(1)
C(51)	23(1)	22(1)	27(2)	3(1)	3(1)	6(1)
C(52)	18(1)	25(1)	37(2)	3(1)	-7(1)	3(1)
C(53)	34(2)	52(2)	32(2)	2(1)	5(1)	2(1)
C(54)	28(1)	29(1)	47(2)	8(1)	6(1)	2(1)
C(55)	34(2)	39(2)	32(2)	6(1)	-6(1)	0(1)
C(56)	31(2)	27(1)	52(2)	6(1)	-4(1)	-2(1)
C(57)	21(1)	45(2)	31(2)	-5(1)	3(1)	2(1)
C(61)	23(1)	23(1)	22(1)	5(1)	0(1)	2(1)
C(62)	26(1)	31(2)	44(2)	6(1)	6(1)	4(1)
C(63)	40(2)	33(2)	52(2)	18(1)	10(1)	7(1)
C(64)	48(2)	22(1)	29(2)	8(1)	2(1)	1(1)

C(65)	31(2)	28(2)	49(2)	0(1)	-6(1)	2(1)
C(66)	23(1)	26(1)	48(2)	5(1)	-3(1)	-2(1)
C(71)	24(1)	21(1)	28(2)	3(1)	-3(1)	-2(1)
C(72)	27(1)	26(1)	40(2)	8(1)	1(1)	0(1)
C(73)	30(1)	35(2)	45(2)	14(1)	-2(1)	-6(1)
C(74)	50(2)	43(2)	42(2)	28(2)	-12(1)	-3(1)
C(75)	57(2)	40(2)	29(2)	21(1)	1(1)	8(1)
C(76)	31(1)	34(2)	31(2)	9(1)	2(1)	5(1)
C(81)	15(1)	28(1)	33(2)	-1(1)	-1(1)	1(1)
C(82)	26(1)	26(1)	44(2)	3(1)	5(1)	5(1)
C(83)	28(1)	30(2)	59(2)	6(1)	6(1)	3(1)
C(84)	29(2)	41(2)	58(2)	4(1)	12(1)	-12(2)
C(85)	41(2)	49(2)	32(2)	7(1)	9(1)	-2(1)
C(86)	29(1)	40(2)	34(2)	5(1)	2(1)	4(1)
C(91)	24(1)	29(1)	31(2)	5(1)	6(1)	8(1)
C(92)	31(2)	49(2)	52(2)	10(1)	5(1)	23(2)
C(93)	54(2)	60(2)	67(3)	32(2)	16(2)	34(2)
C(94)	65(2)	35(2)	65(3)	19(2)	30(2)	26(2)
C(95)	46(2)	31(2)	56(2)	2(1)	16(2)	10(1)
C(96)	28(1)	35(2)	44(2)	4(1)	4(1)	9(1)

TABLE Ib. Hydrogen Fixed Atom Coordinates (Biso=B(attached) +1.0)

H(1)	8763	6735	2195	H(51)	5861	7640	15508
H(1')	7866	6572	2264	H(51')	5166	7960	15172
H(2)	6057	3580	187	H(52)	9259	10119	15435
H(2')	6261	2830	406	H(52')	8968	9241	15529
H(3)	9228	6110	-301	H(53)	5786	8879	18122
H(3')	8927	5234	-847	H(53')	6576	9525	18374
H(3")	9373	5546	597	H(53")	6555	8673	18154
H(4)	7600	6340	-584	H(54)	5283	9540	15804
H(4')	6910	5684	-283	H(54')	5786	9684	14613
H(4")	7406	5523	-1440	H(54")	6070	10189	16044
H(5)	7847	2745	406	H(55)	8810	10035	18335
H(5')	8015	3254	1841	H(55')	8207	9226	18112
H(5")	8559	3478	731	H(55")	7962	9945	18638
H(6)	7215	3237	-1994	H(56)	8494	11184	16769
H(6')	7986	3907	-1745	H(56')	7602	10923	16803
H(6")	7198	4075	-1882	H(56")	7947	10929	15420
H(12)	8858	6134	6534	H(62)	6670	6846	12505
H(13)	8845	6993	8488	H(63)	6303	5525	11801
H(14)	8272	7957	8371	H(64)	4996	4808	11506
H(15)	7757	8090	6259	H(65)	4058	5415	11934
H(16)	7842	7277	4289	H(66)	4423	6740	12646
H(22)	9901	6969	4643	H(72)	4282	7933	13565
H(23)	11153	6838	4681	H(73)	3416	8376	12366
H(24)	11323	5661	3863	H(74)	3821	9065	10652
H(25)	10256	4610	2975	H(75)	5087	9298	10096

H(26)	9008	4709	2996	H(76)	5956	8826	11234
H(32)	5641	4214	4675	H(82)	9348	8401	13855
H(33)	4387	4228	5044	H(83)	10109	7834	12511
H(34)	3369	3646	3311	H(84)	10324	8121	10357
H(35)	3599	3018	1257	H(85)	9771	8970	9543
H(36)	4851	2990	880	H(86)	9020	9550	10876
H(42)	5607	1997	1821	H(92)	7486	10183	12212
H(43)	5737	925	2630	H(93)	7689	11407	11697
H(44)	6680	1070	4418	H(94)	8916	12301	12128
H(45)	7456	2291	5461	H(95)	9953	11987	13065
H(46)	7354	3361	4624	H(96)	9759	10785	13634

TABLE III. Interatomic Distances (A)

Rh(1)-P(1)	2.2986 (7)	P(51)-C(71)	1.833 (3)
Rh(1)-P(2)	2.3243 (7)	P(52)-C(52)	1.811 (3)
Rh(51)-P(51)	2.3270 (6)	P(52)-C(81)	1.826 (3)
Rh(51)-P(52)	2.2938 (6)	P(52)-C(91)	1.824 (3)
Rh(1)-N(1)	2.099 (2)	Si(1)-N(1)	1.709 (2)
Rh(51)-N(51)	2.117 (2)	Si(2)-N(1)	1.705 (2)
Rh(1)-C(7)	1.797 (3)	Si(51)-N(51)	1.715 (2)
Rh(51)-C(57)	1.811 (3)	Si(52)-N(51)	1.710 (2)
P(1)-C(1)	1.805 (3)	Si(1)-C(1)	1.899 (3)
P(1)-C(11)	1.835 (3)	Si(1)-C(3)	1.875 (3)
P(1)-C(21)	1.821 (3)	Si(1)-C(4)	1.864 (3)
P(2)-C(2)	1.810 (3)	Si(2)-C(2)	1.891 (3)
P(2)-C(31)	1.826 (3)	Si(2)-C(5)	1.870 (3)
P(2)-C(41)	1.838 (3)	Si(2)-C(6)	1.871 (3)
P(51)-C(51)	1.806 (3)	Si(51)-C(51)	1.885 (3)
P(51)-C(61)	1.824 (3)	Si(51)-C(53)	1.875 (3)
Si(51)-C(54)	1.869 (3)	C(2)-H(2)	0.949 (0)
Si(52)-C(52)	1.892 (3)	C(2)-H(2')	0.952 (0)
Si(52)-C(55)	1.869 (3)	C(3)-H(3)	0.950 (0)
Si(52)-C(56)	1.876 (3)	C(3)-H(3')	0.944 (0)
O(7)-C(7)	1.164 (4)	C(3)-H(3")	0.954 (0)
O(57)-C(57)	1.153 (4)	C(4)-H(4)	0.950 (0)
C(11)-C(12)	1.391 (4)	C(4)-H(4')	0.950 (0)
C(11)-C(16)	1.380 (4)	C(4)-H(4")	0.948 (0)
C(12)-C(13)	1.383 (4)	C(5)-H(5)	0.949 (0)
C(13)-C(14)	1.384 (4)	C(5)-H(5')	0.953 (0)
C(14)-C(15)	1.384 (4)	C(5)-H(5")	0.949 (0)
C(15)-C(16)	1.391 (4)	C(6)-H(6)	0.949 (0)
C(21)-C(22)	1.398 (4)	C(6)-H(6')	0.950 (0)
C(21)-C(26)	1.390 (4)	C(6)-H(6")	0.947 (0)
C(22)-C(23)	1.406 (5)	C(12)-H(12)	0.948 (0)
C(23)-C(24)	1.384 (6)	C(13)-H(13)	0.952 (0)
C(24)-C(25)	1.368 (6)	C(14)-H(14)	0.949 (0)
C(25)-C(26)	1.387 (4)	C(15)-H(15)	0.950 (0)

C(31)-C(32)	1.393 (4)	C(16)-H(16)	0.948 (0)
C(31)-C(36)	1.407 (4)	C(22)-H(22)	0.953 (0)
C(32)-C(33)	1.386 (4)	C(23)-H(23)	0.947 (0)
C(33)-C(34)	1.388 (4)	C(24)-H(24)	0.949 (0)
C(34)-C(35)	1.372 (5)	C(25)-H(25)	0.947 (0)
C(35)-C(36)	1.394 (4)	C(26)-H(26)	0.949 (0)
C(41)-C(42)	1.398 (4)	C(32)-H(32)	0.950 (0)
C(41)-C(46)	1.389 (4)	C(33)-H(33)	0.951 (0)
C(42)-C(43)	1.385 (4)	C(34)-H(34)	0.950 (0)
C(43)-C(44)	1.382 (4)	C(35)-H(35)	0.949 (0)
C(44)-C(45)	1.380 (4)	C(36)-H(36)	0.949 (0)
C(45)-C(46)	1.380 (4)	C(42)-H(42)	0.949 (0)
C(61)-C(62)	1.381 (4)	C(43)-H(43)	0.948 (0)
C(61)-C(66)	1.395 (4)	C(44)-H(44)	0.949 (0)
C(62)-C(63)	1.383 (4)	C(45)-H(45)	0.950 (0)
C(63)-C(64)	1.378 (4)	C(46)-H(46)	0.949 (0)
C(64)-C(65)	1.373 (4)	C(51)-H(51)	0.950 (0)
C(65)-C(66)	1.389 (4)	C(51)-H(51')	0.952 (0)
C(71)-C(72)	1.400 (4)	C(52)-H(52)	0.954 (0)
C(71)-C(76)	1.401 (4)	C(52)-H(52')	0.946 (0)
C(72)-C(73)	1.389 (4)	C(53)-H(53)	0.950 (0)
C(73)-C(74)	1.372 (5)	C(53)-H(53')	0.950 (0)
C(74)-C(75)	1.380 (5)	C(53)-H(53")	0.952 (0)
C(75)-C(76)	1.393 (4)	C(54)-H(54)	0.951 (0)
C(81)-C(82)	1.397 (4)	C(54)-H(54')	0.952 (0)
C(81)-C(86)	1.383 (4)	C(54)-H(54")	0.948 (0)
C(82)-C(83)	1.391 (4)	C(55)-H(55)	0.947 (0)
C(83)-C(84)	1.378 (5)	C(55)-H(55')	0.952 (0)
C(84)-C(85)	1.373 (5)	C(55)-H(55")	0.951 (0)
C(85)-C(86)	1.390 (4)	C(56)-H(56)	0.950 (0)
C(91)-C(92)	1.397 (4)	C(56)-H(56')	0.950 (0)
C(91)-C(96)	1.392 (4)	C(56)-H(56")	0.951 (0)
C(92)-C(93)	1.389 (5)	C(62)-H(62)	0.951 (0)
C(93)-C(94)	1.377 (5)	C(63)-H(63)	0.951 (0)
C(94)-C(95)	1.369 (5)	C(64)-H(64)	0.949 (0)
C(95)-C(96)	1.377 (4)	C(65)-H(65)	0.951 (0)
C(1)-H(1)	0.949 (0)	C(66)-H(66)	0.949 (0)
C(1)-H(1')	0.950 (0)	C(72)-H(72)	0.950 (0)
C(73)-H(73)	0.952 (0)	C(85)-H(85)	0.946 (0)
C(74)-H(74)	0.950 (0)	C(86)-H(86)	0.951 (0)
C(75)-H(75)	0.950 (0)	C(92)-H(92)	0.949 (0)
C(76)-H(76)	0.951 (0)	C(93)-H(93)	0.951 (0)
C(82)-H(82)	0.948 (0)	C(94)-H(94)	0.950 (0)
C(83)-H(83)	0.950 (0)	C(95)-H(95)	0.949 (0)
C(84)-H(84)	0.952 (0)	C(96)-H(96)	0.952 (0)

TABLE IV. Intramolecular Angles (Deg)

P(1)-Rh(1)-P(2)	172.60 (5)	N(51)-Si(52)-C(56)	114.1 (1)
P(51)-Rh(51)-P(52)	176.47 (7)	N(51)-Si(52)-C(52)	104.8 (1)
P(1)-Rh(1)-N(1)	84.77 (6)	C(1)-Si(1)-C(4)	105.5 (1)
P(2)-Rh(1)-N(1)	88.40 (6)	C(1)-Si(1)-C(3)	108.3 (1)
P(51)-Rh(51)-N(51)	88.77 (6)	C(3)-Si(1)-C(4)	109.1 (1)
P(52)-Rh(51)-N(51)	87.78 (6)	C(2)-Si(2)-C(6)	108.6 (1)
P(1)-Rh(1)-C(7)	92.77 (8)	C(2)-Si(2)-C(5)	108.6 (1)
P(2)-Rh(1)-C(7)	94.13 (8)	C(5)-Si(2)-C(6)	106.4 (1)
P(51)-Rh(51)-C(57)	93.69 (8)	C(51)-Si(51)-C(54)	107.3 (1)
P(52)-Rh(51)-C(57)	89.78 (8)	C(51)-Si(51)-C(53)	107.9 (1)
N(1)-Rh(1)-C(7)	177.1 (1)	C(53)-Si(51)-C(54)	107.9 (1)
N(51)-Rh(51)-C(57)	177.1 (1)	C(52)-Si(52)-C(56)	109.4 (1)
Rh(1)-P(1)-C(21)	114.9 (1)	C(52)-Si(52)-C(55)	106.1 (1)
Rh(1)-P(1)-C(1)	105.19 (9)	C(55)-Si(52)-C(56)	106.1 (1)
Rh(1)-P(1)-C(11)	119.87 (8)	Rh(1)-N(1)-Si(2)	113.0 (1)
Rh(1)-P(2)-C(41)	116.04 (8)	Rh(1)-N(1)-Si(1)	119.8 (1)
Rh(1)-P(2)-C(2)	107.52 (9)	Rh(51)-N(51)-Si(51)	115.5 (1)
Rh(1)-P(2)-C(31)	118.31 (8)	Rh(51)-N(51)-Si(52)	119.0 (1)
Rh(51)-P(51)-C(71)	113.59 (8)	Si(1)-N(1)-Si(2)	127.2 (1)
Rh(51)-P(51)-C(61)	119.55 (9)	Si(51)-N(51)-Si(52)	123.5 (1)
Rh(51)-P(51)-C(51)	107.07 (8)	Rh(1)-C(7)-O(7)	178.2 (2)
Rh(51)-P(52)-C(81)	117.44 (9)	Rh(51)-C(57)-O(57)	177.6 (3)
Rh(51)-P(52)-C(91)	116.23 (9)	P(1)-C(1)-Si(1)	107.0 (1)
Rh(51)-P(52)-C(52)	106.6 (1)	P(2)-C(2)-Si(2)	105.6 (1)
C(1)-P(1)-C(21)	104.0 (1)	P(51)-C(51)-Si(51)	105.9 (1)
C(1)-P(1)-C(11)	107.7 (1)	P(52)-C(52)-Si(52)	106.4 (1)
C(11)-P(1)-C(21)	103.9 (1)	P(1)-C(11)-C(16)	121.7 (2)
C(2)-P(2)-C(41)	104.3 (1)	P(1)-C(11)-C(12)	119.1 (2)
C(2)-P(2)-C(31)	106.9 (1)	P(1)-C(21)-C(26)	119.6 (2)
C(31)-P(2)-C(41)	102.7 (1)	P(1)-C(21)-C(22)	121.3 (2)
C(51)-P(51)-C(71)	106.2 (1)	P(2)-C(31)-C(32)	120.4 (2)
C(51)-P(51)-C(61)	105.7 (1)	P(2)-C(31)-C(36)	121.6 (2)
C(61)-P(51)-C(71)	103.8 (1)	P(2)-C(41)-C(42)	120.0 (2)
C(52)-P(52)-C(91)	104.3 (1)	P(2)-C(41)-C(46)	121.3 (2)
C(52)-P(52)-C(81)	109.2 (1)	P(51)-C(61)-C(66)	121.6 (2)
C(81)-P(52)-C(91)	102.3 (1)	P(51)-C(61)-C(62)	119.9 (2)
N(1)-Si(1)-C(4)	113.8 (1)	P(51)-C(71)-C(72)	122.7 (2)
N(1)-Si(1)-C(3)	114.0 (1)	P(51)-C(71)-C(76)	119.0 (2)
N(1)-Si(1)-C(1)	105.7 (1)	P(52)-C(81)-C(86)	120.9 (2)
N(1)-Si(2)-C(2)	104.0 (1)	P(52)-C(81)-C(82)	120.4 (2)
N(1)-Si(2)-C(6)	115.5 (1)	P(52)-C(91)-C(92)	120.8 (2)
N(1)-Si(2)-C(5)	113.5 (1)	P(52)-C(91)-C(96)	120.6 (2)
N(51)-Si(51)-C(54)	112.9 (1)	P(1)-C(1)-H(1)	109 (0)
N(51)-Si(51)-C(53)	114.9 (1)	P(1)-C(1)-H(1')	109 (0)
N(51)-Si(51)-C(51)	105.7 (1)	P(2)-C(2)-H(2')	109 (0)
N(51)-Si(52)-C(55)	115.9 (1)	P(2)-C(2)-H(2)	110 (0)
P(51)-C(51)-H(51)	110 (0)	C(42)-C(43)-C(44)	120.0 (3)
P(51)-C(51)-H(51')	109 (0)	C(43)-C(44)-C(45)	119.9 (3)

P(52)-C(52)-H(52)	109 (0)	C(44)-C(45)-C(46)	120.3 (3)
P(52)-C(52)-H(52')	110 (0)	C(41)-C(46)-C(45)	120.6 (3)
Si(1)-C(1)-H(1')	109 (0)	C(62)-C(61)-C(66)	118.2 (2)
Si(1)-C(1)-H(1)	110 (0)	C(61)-C(62)-C(63)	121.3 (3)
Si(2)-C(2)-H(2')	109 (0)	C(62)-C(63)-C(64)	120.0 (3)
Si(2)-C(2)-H(2)	110 (0)	C(63)-C(64)-C(65)	119.8 (3)
Si(1)-C(3)-H(3')	110 (0)	C(64)-C(65)-C(66)	120.3 (3)
Si(1)-C(3)-H(3)	109 (0)	C(61)-C(66)-C(65)	120.5 (3)
Si(1)-C(3)-H(3")	109 (0)	C(72)-C(71)-C(76)	118.4 (2)
Si(1)-C(4)-H(4')	109 (0)	C(71)-C(72)-C(73)	120.5 (3)
Si(1)-C(4)-H(4)	109 (0)	C(72)-C(73)-C(74)	120.4 (3)
Si(1)-C(4)-H(4")	109 (0)	C(73)-C(74)-C(75)	120.2 (3)
Si(2)-C(5)-H(5")	110 (0)	C(74)-C(75)-C(76)	120.2 (3)
Si(2)-C(5)-H(5')	109 (0)	C(71)-C(76)-C(75)	120.3 (3)
Si(2)-C(5)-H(5)	110 (0)	C(82)-C(81)-C(86)	118.5 (3)
Si(2)-C(6)-H(6")	109 (0)	C(81)-C(82)-C(83)	120.3 (3)
Si(2)-C(6)-H(6')	109 (0)	C(82)-C(83)-C(84)	120.3 (3)
Si(2)-C(6)-H(6)	109 (0)	C(83)-C(84)-C(85)	119.8 (3)
Si(51)-C(51)-H(51')	109 (0)	C(84)-C(85)-C(86)	120.3 (3)
Si(51)-C(51)-H(51)	110 (0)	C(81)-C(86)-C(85)	120.9 (3)
Si(52)-C(52)-H(52)	109 (0)	C(92)-C(91)-C(96)	118.5 (3)
Si(52)-C(52)-H(52')	110 (0)	C(91)-C(92)-C(93)	119.6 (3)
Si(51)-C(53)-H(53')	110 (0)	C(92)-C(93)-C(94)	120.5 (3)
Si(51)-C(53)-H(53")	109 (0)	C(93)-C(94)-C(95)	120.4 (3)
Si(51)-C(53)-H(53)	110 (0)	C(94)-C(95)-C(96)	119.7 (3)
Si(51)-C(54)-H(54)	109 (0)	C(91)-C(96)-C(95)	121.2 (3)
Si(51)-C(54)-H(54')	109 (0)	C(11)-C(12)-H(12)	120 (0)
Si(51)-C(54)-H(54")	110 (0)	C(13)-C(12)-H(12)	120 (0)
Si(52)-C(55)-H(55')	109 (0)	C(12)-C(13)-H(13)	120 (0)
Si(52)-C(55)-H(55)	110 (0)	C(14)-C(13)-H(13)	120 (0)
Si(52)-C(55)-H(55")	109 (0)	C(13)-C(14)-H(14)	120 (0)
Si(52)-C(56)-H(56)	109 (0)	C(15)-C(14)-H(14)	120 (0)
Si(52)-C(56)-H(56')	110 (0)	C(14)-C(15)-H(15)	120 (0)
Si(52)-C(56)-H(56")	109 (0)	C(16)-C(15)-H(15)	120 (0)
C(12)-C(11)-C(16)	119.0 (2)	C(11)-C(16)-H(16)	120 (0)
C(11)-C(12)-C(13)	120.1 (2)	C(15)-C(16)-H(16)	119 (0)
C(12)-C(13)-C(14)	120.7 (3)	C(21)-C(22)-H(22)	120 (0)
C(13)-C(14)-C(15)	119.4 (3)	C(23)-C(22)-H(22)	120 (0)
C(14)-C(15)-C(16)	119.8 (3)	C(22)-C(23)-H(23)	120 (0)
C(11)-C(16)-C(15)	120.9 (3)	C(24)-C(23)-H(23)	120 (0)
C(22)-C(21)-C(26)	119.0 (3)	C(23)-C(24)-H(24)	119 (0)
C(21)-C(22)-C(23)	119.5 (3)	C(25)-C(24)-H(24)	120 (0)
C(22)-C(23)-C(24)	120.2 (3)	C(24)-C(25)-H(25)	120 (0)
C(23)-C(24)-C(25)	120.1 (3)	C(26)-C(25)-H(25)	120 (0)
C(24)-C(25)-C(26)	120.4 (3)	C(21)-C(26)-H(26)	120 (0)
C(21)-C(26)-C(25)	120.7 (3)	C(25)-C(26)-H(26)	120 (0)
C(32)-C(31)-C(36)	118.0 (2)	C(31)-C(32)-H(32)	119 (0)
C(31)-C(32)-C(33)	121.6 (2)	C(33)-C(32)-H(32)	119 (0)

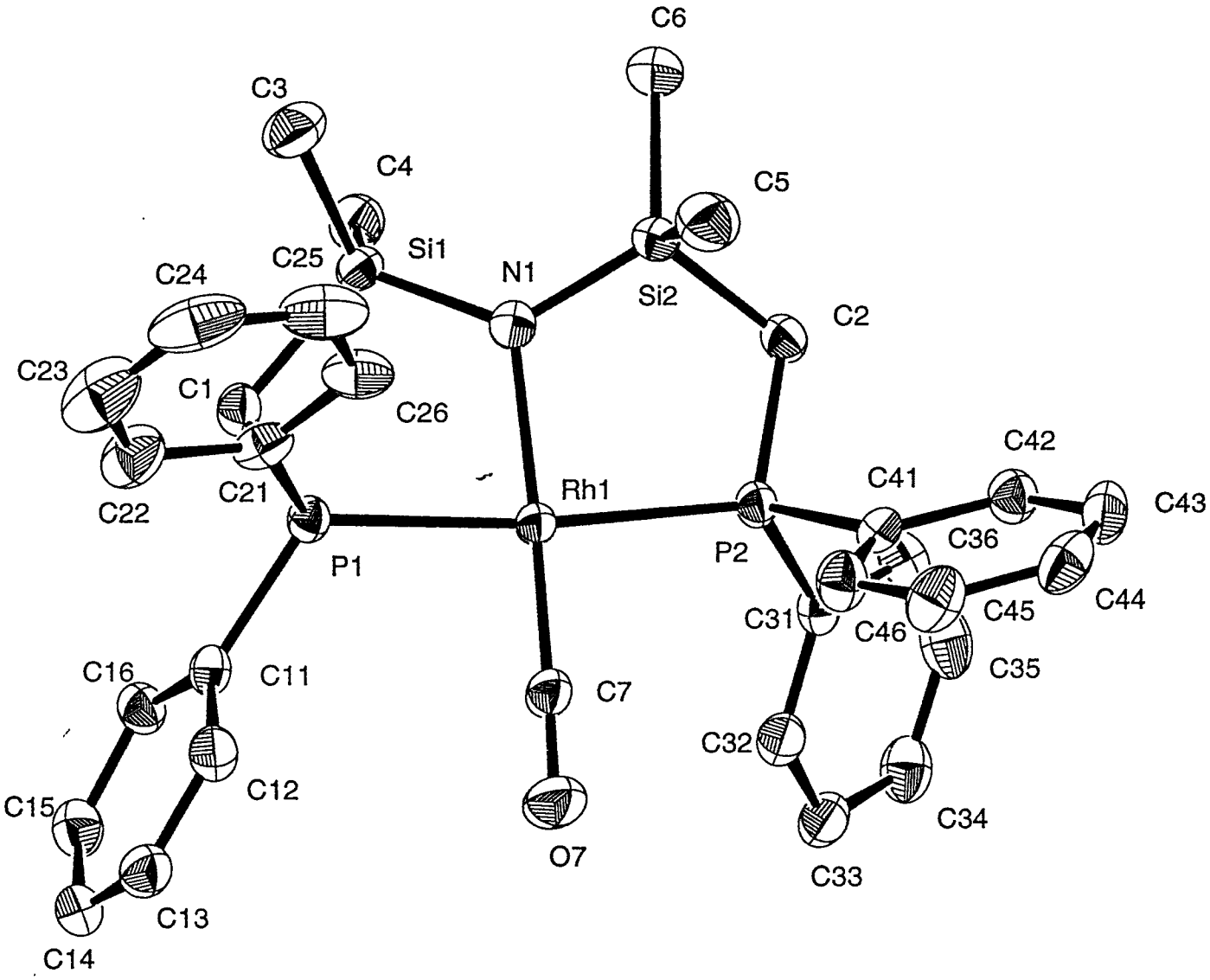
C(32)-C(33)-C(34)	119.5 (3)	C(32)-C(33)-H(33)	120 (0)
C(33)-C(34)-C(35)	120.1 (3)	C(34)-C(33)-H(33)	120 (0)
C(34)-C(35)-C(36)	120.7 (3)	C(33)-C(34)-H(34)	120 (0)
C(31)-C(36)-C(35)	120.1 (3)	C(35)-C(34)-H(34)	120 (0)
C(42)-C(41)-C(46)	118.7 (2)	C(34)-C(35)-H(35)	120 (0)
C(41)-C(42)-C(43)	120.4 (3)	C(36)-C(35)-H(35)	119 (0)
C(31)-C(36)-H(36)	120 (0)	C(81)-C(86)-H(86)	120 (0)
C(35)-C(36)-H(36)	120 (0)	C(85)-C(86)-H(86)	119 (0)
C(41)-C(42)-H(42)	120 (0)	C(91)-C(92)-H(92)	120 (0)
C(43)-C(42)-H(42)	120 (0)	C(93)-C(92)-H(92)	120 (0)
C(42)-C(43)-H(43)	120 (0)	C(92)-C(93)-H(93)	120 (0)
C(44)-C(43)-H(43)	120 (0)	C(94)-C(93)-H(93)	120 (0)
C(43)-C(44)-H(44)	120 (0)	C(93)-C(94)-H(94)	120 (0)
C(45)-C(44)-H(44)	120 (0)	C(95)-C(94)-H(94)	120 (0)
C(44)-C(45)-H(45)	120 (0)	C(94)-C(95)-H(95)	120 (0)
C(46)-C(45)-H(45)	120 (0)	C(96)-C(95)-H(95)	120 (0)
C(41)-C(46)-H(46)	120 (0)	C(91)-C(96)-H(96)	119 (0)
C(45)-C(46)-H(46)	120 (0)	C(95)-C(96)-H(96)	120 (0)
C(61)-C(62)-H(62)	119 (0)	H(1)-C(1)-H(1')	112 (0)
C(63)-C(62)-H(62)	119 (0)	H(2)-C(2)-H(2')	113 (0)
C(62)-C(63)-H(63)	120 (0)	H(3)-C(3)-H(3')	110 (0)
C(64)-C(63)-H(63)	120 (0)	H(3)-C(3)-H(3")	109 (0)
C(63)-C(64)-H(64)	120 (0)	H(3')-C(3)-H(3")	110 (0)
C(65)-C(64)-H(64)	120 (0)	H(4)-C(4)-H(4')	109 (0)
C(64)-C(65)-H(65)	120 (0)	H(4)-C(4)-H(4")	110 (0)
C(66)-C(65)-H(65)	120 (0)	H(4')-C(4)-H(4")	110 (0)
C(61)-C(66)-H(66)	120 (0)	H(5)-C(5)-H(5")	110 (0)
C(65)-C(66)-H(66)	120 (0)	H(5)-C(5)-H(5')	109 (0)
C(71)-C(72)-H(72)	120 (0)	H(5')-C(5)-H(5")	109 (0)
C(73)-C(72)-H(72)	120 (0)	H(6)-C(6)-H(6')	109 (0)
C(72)-C(73)-H(73)	120 (0)	H(6)-C(6)-H(6")	110 (0)
C(74)-C(73)-H(73)	120 (0)	H(6')-C(6)-H(6")	110 (0)
C(73)-C(74)-H(74)	120 (0)	H(51)-C(51)-H(51')	113 (0)
C(75)-C(74)-H(74)	120 (0)	H(52)-C(52)-H(52')	112 (0)
C(74)-C(75)-H(75)	120 (0)	H(53)-C(53)-H(53")	109 (0)
C(76)-C(75)-H(75)	120 (0)	H(53)-C(53)-H(53')	110 (0)
C(71)-C(76)-H(76)	120 (0)	H(53')-C(53)-H(53")	109 (0)
C(75)-C(76)-H(76)	120 (0)	H(54)-C(54)-H(54")	110 (0)
C(81)-C(82)-H(82)	120 (0)	H(54)-C(54)-H(54')	109 (0)
C(83)-C(82)-H(82)	120 (0)	H(54')-C(54)-H(54")	110 (0)
C(82)-C(83)-H(83)	120 (0)	H(55)-C(55)-H(55")	110 (0)
C(84)-C(83)-H(83)	120 (0)	H(55)-C(55)-H(55')	109 (0)
C(83)-C(84)-H(84)	120 (0)	H(55')-C(55)-H(55")	109 (0)
C(85)-C(84)-H(84)	120 (0)	H(56)-C(56)-H(56")	109 (0)
C(84)-C(85)-H(85)	120 (0)	H(56)-C(56)-H(56')	109 (0)
C(86)-C(85)-H(85)	120 (0)	H(56')-C(56)-H(56")	110 (0)

TABLE V. Intramolecular Non-Bonding Distances (A)

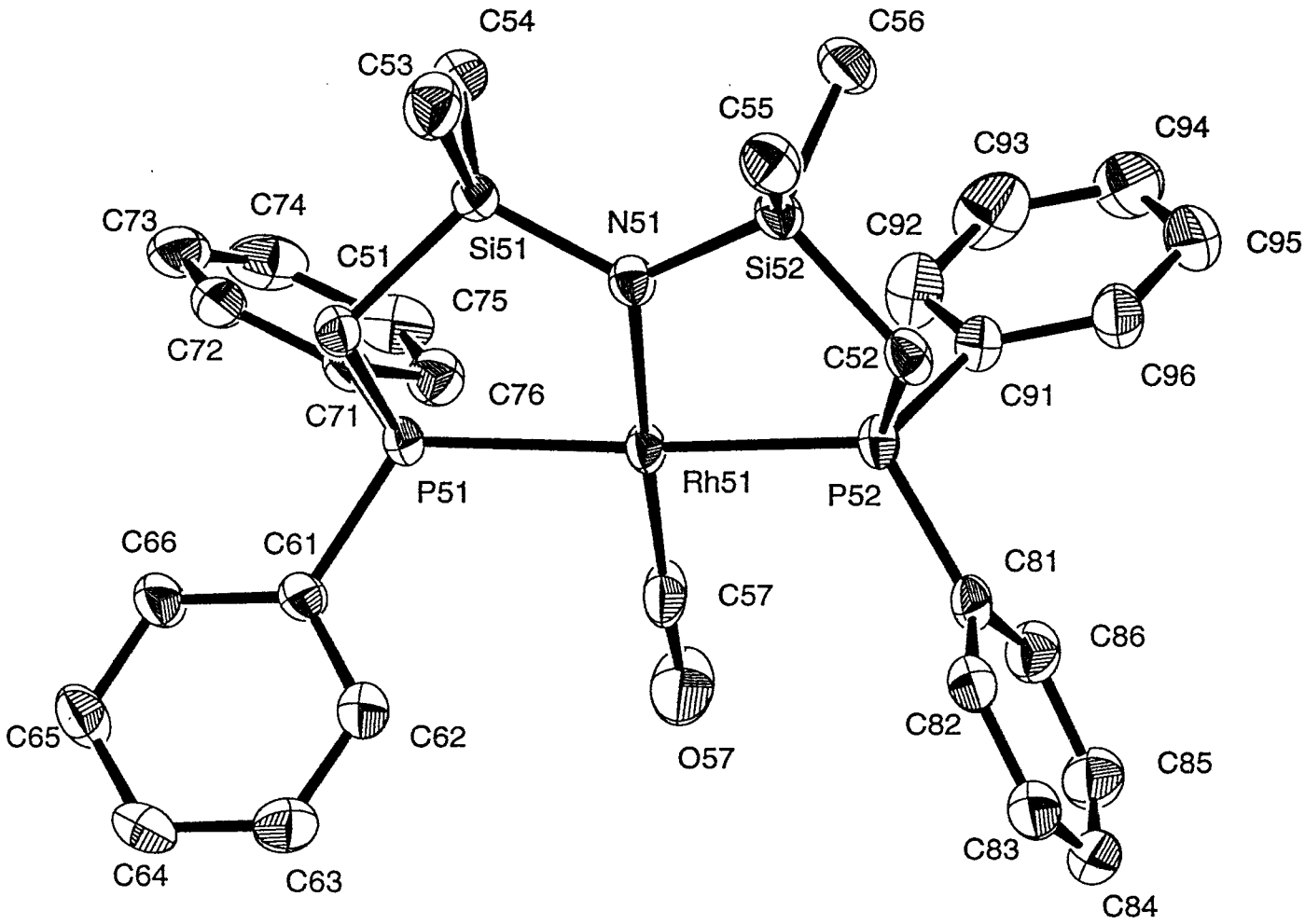
Si(1)...C(26)	3.852 (3)	C(7)...C(46)	3.523 (4)
O(7)...C(11)	3.701 (3)	C(12)...C(22)	3.331 (4)
O(7)...C(12)	3.514 (3)	C(36)...C(42)	3.709 (4)
O(7)...C(32)	3.631 (3)	C(53)...C(55)	3.427 (4)
O(7)...C(46)	3.882 (4)	C(54)...C(71)	3.543 (4)
O(57)...C(62)	3.761 (4)	C(54)...C(72)	3.736 (4)
O(57)...C(81)	3.580 (3)	C(56)...C(91)	3.614 (4)
O(57)...C(86)	3.528 (4)	C(57)...C(62)	3.453 (4)
N(1)...C(26)	3.553 (4)	C(57)...C(76)	3.602 (4)
C(3)...C(26)	3.733 (4)	C(57)...C(86)	3.613 (4)
C(5)...C(41)	3.718 (4)	C(66)...C(72)	3.388 (4)
C(7)...C(12)	3.551 (4)	C(86)...C(96)	3.433 (4)
C(7)...C(32)	3.423 (4)		

97191 [PhPNP]Rh(CO), 6i

(molecule 1)



97191 [PhPNP]Rh(CO), 6'
molecule 2



[iPrPNP]RhPPh3

TABLE I. Fractional Coordinates (X10000) and Isotropic Thermal Parameters

ATOM	X	Y	Z	BISO
Rh(1)	5098.5(1)	2218.2(1)	3703.8(1)	1.5(0)'
P(1)	6471.6(5)	1288.5(3)	3312.7(2)	1.8(0)'
P(2)	3263.1(5)	2813.6(3)	3944.7(3)	1.8(0)'
P(3)	6125.0(5)	2579.4(3)	4573.6(2)	1.6(0)'
Si(1)	5350.2(6)	2134.6(3)	2187.0(3)	2.1(0)'
Si(2)	2817.3(6)	2226.0(4)	2608.0(3)	2.2(0)'
N(1)	4325(2)	2137(1)	2761(1)	2.1(0)'
C(1)	6658(2)	1494(1)	2475(1)	2.4(1)'
C(2)	2145(2)	2375(1)	3398(1)	2.3(1)'
C(3)	5963(3)	3150(2)	1984(1)	3.4(1)'
C(4)	4754(3)	1681(2)	1425(1)	3.1(1)'
C(5)	2378(3)	3073(2)	2060(1)	3.3(1)'
C(6)	2040(2)	1315(2)	2256(1)	3.5(1)'
C(11)	8053(2)	1081(1)	3596(1)	2.3(1)'
C(12)	8846(2)	1830(2)	3542(1)	3.0(1)'
C(13)	8660(2)	378(2)	3261(1)	3.5(1)'
C(14)	5840(2)	246(1)	3287(1)	2.4(1)'
C(15)	4572(3)	204(2)	2996(1)	3.4(1)'
C(16)	5873(3)	-153(2)	3932(1)	3.4(1)'
C(21)	3104(2)	3928(1)	3849(1)	2.3(1)'
C(22)	4118(2)	4259(2)	3452(1)	2.7(1)'
C(23)	1880(2)	4227(2)	3587(1)	3.2(1)'
C(24)	2607(2)	2606(1)	4723(1)	2.2(1)'
C(25)	2654(2)	1703(2)	4861(1)	3.0(1)'
C(26)	1342(2)	2938(2)	4814(1)	3.0(1)'
C(31)	5362(2)	3022(1)	5255(1)	1.9(0)'
C(32)	4955(2)	3819(1)	5212(1)	2.1(1)'
C(33)	4254(2)	4152(1)	5679(1)	2.5(1)'
C(34)	3965(2)	3702(2)	6199(1)	2.9(1)'
C(35)	4379(2)	2920(2)	6256(1)	2.8(1)'
C(36)	5084(2)	2584(1)	5795(1)	2.3(1)'
C(41)	7157(2)	3429(1)	4421(1)	2.0(0)'
C(42)	7747(2)	3852(1)	4910(1)	2.5(1)'
C(43)	8497(2)	4499(1)	4778(1)	3.1(1)'
C(44)	8660(2)	4728(1)	4161(1)	3.4(1)'
C(45)	8078(2)	4320(2)	3674(1)	3.1(1)'
C(46)	7325(2)	3673(1)	3804(1)	2.3(1)'
C(51)	7117(2)	1845(1)	4984(1)	1.9(0)'
C(52)	8356(2)	1953(2)	5111(1)	2.4(1)'
C(53)	9043(2)	1347(2)	5394(1)	3.1(1)'
C(54)	8515(2)	633(2)	5561(1)	3.5(1)'

C(55)	7287(2)	518(2)	5449(1)	3.1(1)'
C(56)	6605(2)	1115(1)	5156(1)	2.4(1)'
H(1)	6685(23)	1017(16)	2236(12)	2.9(5)
H(1')	7410(26)	1760(17)	2409(13)	3.6(6)
H(2)	1438(28)	2635(17)	3370(13)	2.8(6)
H(2')	1998(23)	1878(18)	3571(12)	2.2(5)
H(3)	6309(30)	3458(20)	2338(16)	5.5(8)
H(3')	5312(28)	3495(19)	1851(14)	4.2(7)
H(3")	6572(28)	3123(20)	1660(15)	4.5(7)
H(4)	4065(32)	2017(21)	1231(16)	5.6(8)
H(4')	4461(28)	1115(20)	1503(14)	4.8(7)
H(4")	5327(27)	1656(18)	1140(14)	3.6(6)
H(5)	2743(28)	3563(21)	2220(15)	4.9(7)
H(5')	1549(33)	3148(20)	2038(16)	5.4(8)
H(5")	2514(29)	2931(19)	1654(17)	4.4(7)
H(6)	1182(30)	1395(18)	2256(14)	4.3(7)
H(6')	2206(27)	824(19)	2496(15)	4.5(7)
H(6")	2269(28)	1253(19)	1831(17)	4.5(7)
H(11)	7992(20)	940(13)	4046(11)	2.0(4)
H(12)	9647(27)	1704(17)	3747(12)	3.6(6)
H(12')	8488(27)	2262(18)	3693(14)	3.5(7)
H(12")	9033(26)	1959(19)	3074(15)	4.1(7)
H(13)	8251(27)	-127(20)	3355(14)	4.2(7)
H(13')	9504(29)	383(18)	3384(14)	4.2(6)
H(13")	8666(26)	464(19)	2764(16)	4.5(7)
H(14)	6363(23)	-61(16)	3019(12)	2.8(5)
H(15)	3998(26)	522(19)	3263(13)	3.8(6)
H(15')	4331(26)	-385(20)	2982(14)	4.5(7)
H(15")	4486(27)	422(19)	2588(15)	4.5(7)
H(16)	5337(27)	120(18)	4231(14)	4.2(7)
H(16')	6677(29)	-137(19)	4138(14)	4.6(7)
H(16")	5574(28)	-672(21)	3904(15)	4.9(7)
H(21)	3222(22)	4124(15)	4252(13)	2.7(5)
H(22)	4898(24)	4110(16)	3633(11)	2.8(5)
H(22')	4072(25)	4830(20)	3398(14)	4.5(6)
H(22")	4061(22)	4039(16)	3047(13)	3.0(5)
H(23)	1880(26)	4804(21)	3604(14)	4.8(7)
H(23')	1193(29)	4056(19)	3818(15)	4.2(7)
H(23")	1732(23)	4086(15)	3138(13)	3.0(5)
H(24)	3138(22)	2872(13)	5011(11)	2.2(5)
H(25)	2452(26)	1633(17)	5297(15)	4.1(6)
H(25')	3409(32)	1465(20)	4782(16)	5.2(8)
H(25")	2038(26)	1416(17)	4602(13)	3.6(6)
H(26)	1334(24)	3482(19)	4776(13)	3.5(6)
H(26')	1123(26)	2760(15)	5218(14)	3.1(6)
H(26")	765(30)	2744(18)	4451(16)	4.9(7)
H(32)	5114(21)	4123(15)	4850(12)	2.5(5)

H(33)	3994(21)	4723(16)	5634(11)	2.7(5)		
H(34)	3486(26)	3931(17)	6511(14)	4.1(6)		
H(35)	4229(28)	2625(18)	6562(15)	3.7(7)		
H(36)	5312(24)	2037(17)	5846(12)	3.1(6)		
H(42)	7632(22)	3712(15)	5337(13)	2.6(5)		
H(43)	8856(25)	4820(18)	5149(14)	4.3(7)		
H(44)	9196(25)	5194(18)	4085(13)	4.0(6)		
H(45)	8212(24)	4475(17)	3254(13)	3.6(6)		
H(46)	6902(20)	3364(14)	3446(11)	2.4(5)		
H(52)	8740(21)	2408(15)	4980(11)	1.9(5)		
H(53)	9876(28)	1403(18)	5486(14)	4.4(7)		
H(54)	8998(26)	217(18)	5745(13)	4.2(6)		
H(55)	6923(27)	38(20)	5570(14)	4.6(7)		
H(56)	5775(24)	1022(15)	5056(11)	2.7(5)		

TABLE II. Anisotropic Thermal Parameters (E2 X 1000)
exp[-19.739(U11hha*a*...+2(U12hka*b*...))]

ATOM	U11	U22	U33	U12	U13	U23
Rh(1)	16.8(1)	20.1(1)	19.7(1)	-0.3(1)	1.7(1)	-0.8(1)
P(1)	21.3(3)	21.3(3)	24.6(3)	0.7(2)	3.3(2)	-0.9(2)
P(2)	18.0(3)	24.6(3)	25.4(3)	1.0(2)	1.5(2)	-2.8(2)
P(3)	18.7(3)	22.4(3)	21.2(3)	-2.3(2)	1.8(2)	0.4(2)
Si(1)	33.3(3)	25.7(3)	21.7(3)	1.0(2)	4.1(3)	1.1(2)
Si(2)	27.0(3)	30.9(3)	26.7(3)	2.2(2)	-5.4(3)	-5.8(2)
N(1)	27(1)	29(1)	23(1)	1(1)	0(1)	-2(1)
C(1)	32(1)	32(1)	28(1)	2(1)	8(1)	-2(1)
C(2)	18(1)	34(1)	35(1)	-1(1)	-3(1)	-4(1)
C(3)	55(2)	35(1)	40(1)	-5(1)	7(1)	5(1)
C(4)	54(2)	41(2)	24(1)	5(1)	5(1)	-2(1)
C(5)	42(2)	46(2)	35(1)	13(1)	-8(1)	-1(1)
C(6)	34(1)	48(2)	50(2)	0(1)	-11(1)	-17(1)
C(11)	25(1)	32(1)	31(1)	3(1)	2(1)	-2(1)
C(12)	23(1)	42(1)	51(2)	-2(1)	4(1)	-6(1)
C(13)	31(1)	45(2)	59(2)	14(1)	0(1)	-12(1)
C(14)	36(1)	20(1)	36(1)	-2(1)	0(1)	-2(1)
C(15)	44(1)	32(1)	54(2)	-10(1)	-13(1)	4(1)
C(16)	51(2)	32(1)	46(2)	-10(1)	-4(1)	8(1)
C(21)	30(1)	26(1)	32(1)	4(1)	-3(1)	-3(1)
C(22)	35(1)	29(1)	39(1)	0(1)	-3(1)	4(1)
C(23)	35(1)	38(1)	49(2)	11(1)	-2(1)	-1(1)
C(24)	21(1)	35(1)	29(1)	-5(1)	4(1)	-3(1)
C(25)	37(1)	37(1)	42(1)	-2(1)	11(1)	6(1)
C(26)	27(1)	46(2)	41(2)	0(1)	10(1)	-6(1)
C(31)	17(1)	30(1)	23(1)	-4(1)	1(1)	0(1)
C(32)	24(1)	29(1)	25(1)	-4(1)	2(1)	-1(1)

C(33)	29(1)	32(1)	35(1)	-2(1)	5(1)	-8(1)
C(34)	35(1)	46(1)	32(1)	0(1)	10(1)	-10(1)
C(35)	38(1)	45(1)	24(1)	-3(1)	8(1)	3(1)
C(36)	28(1)	32(1)	26(1)	-3(1)	0(1)	3(1)
C(41)	19(1)	24(1)	31(1)	1(1)	0(1)	0(1)
C(42)	26(1)	33(1)	35(1)	0(1)	-2(1)	-4(1)
C(43)	25(1)	32(1)	58(2)	-6(1)	0(1)	-8(1)
C(44)	29(1)	28(1)	72(2)	-6(1)	10(1)	3(1)
C(45)	35(1)	38(1)	47(2)	1(1)	14(1)	11(1)
C(46)	27(1)	28(1)	34(1)	0(1)	7(1)	3(1)
C(51)	24(1)	28(1)	21(1)	2(1)	2(1)	0(1)
C(52)	27(1)	34(1)	32(1)	-3(1)	-2(1)	-2(1)
C(53)	27(1)	43(1)	48(1)	6(1)	-7(1)	2(1)
C(54)	43(1)	41(1)	48(2)	13(1)	-10(1)	5(1)
C(55)	44(1)	32(1)	42(1)	1(1)	0(1)	9(1)
C(56)	29(1)	31(1)	32(1)	-1(1)	3(1)	1(1)

TABLE III. Interatomic Distances (A)

Rh(1)-P(1)	2.3387 (6)	C(3)-H(3")	0.980 (33)
Rh(1)-P(2)	2.3329 (6)	C(4)-H(4)	1.023 (36)
Rh(1)-P(3)	2.2226 (5)	C(4)-H(4')	1.009 (33)
Rh(1)-N(1)	2.158 (2)	C(4)-H(4")	0.892 (32)
P(1)-C(1)	1.829 (2)	C(5)-H(5)	0.966 (34)
P(1)-C(11)	1.868 (2)	C(5)-H(5')	0.928 (35)
P(1)-C(14)	1.867 (2)	C(5)-H(5")	0.911 (35)
P(2)-C(2)	1.825 (2)	C(6)-H(6)	0.961 (32)
P(2)-C(21)	1.871 (2)	C(6)-H(6')	0.976 (32)
P(2)-C(24)	1.860 (2)	C(6)-H(6")	0.951 (34)
P(3)-C(31)	1.852 (2)	C(11)-H(11)	0.991 (23)
P(3)-C(41)	1.852 (2)	C(12)-H(12)	0.999 (28)
P(3)-C(51)	1.843 (2)	C(12)-H(12')	0.885 (31)
Si(1)-N(1)	1.692 (2)	C(12)-H(12")	1.045 (32)
Si(2)-N(1)	1.699 (2)	C(13)-H(13)	0.977 (33)
Si(1)-C(1)	1.886 (2)	C(13)-H(13')	0.963 (31)
Si(1)-C(3)	1.874 (3)	C(13)-H(13")	1.066 (33)
Si(1)-C(4)	1.887 (3)	C(14)-H(14)	0.970 (27)
Si(2)-C(2)	1.873 (3)	C(15)-H(15)	1.013 (30)
Si(2)-C(5)	1.881 (3)	C(15)-H(15')	1.015 (33)
Si(2)-C(6)	1.884 (3)	C(15)-H(15")	0.942 (32)
C(11)-C(12)	1.530 (3)	C(16)-H(16)	0.993 (31)
C(11)-C(13)	1.534 (3)	C(16)-H(16')	0.980 (31)
C(14)-C(15)	1.520 (3)	C(16)-H(16")	0.924 (35)
C(14)-C(16)	1.523 (3)	C(21)-H(21)	0.922 (27)
C(21)-C(22)	1.529 (3)	C(22)-H(22)	0.968 (26)
C(21)-C(23)	1.533 (3)	C(22)-H(22')	0.956 (33)
C(24)-C(25)	1.529 (3)	C(22)-H(22")	0.934 (27)

C(24)-C(26)	1.525 (3)	C(23)-H(23)	0.960 (33)
C(31)-C(32)	1.401 (3)	C(23)-H(23')	0.962 (34)
C(31)-C(36)	1.399 (3)	C(23)-H(23")	0.990 (27)
C(32)-C(33)	1.393 (3)	C(24)-H(24)	0.946 (25)
C(33)-C(34)	1.379 (4)	C(25)-H(25)	0.966 (31)
C(34)-C(35)	1.382 (4)	C(25)-H(25')	0.945 (35)
C(35)-C(36)	1.389 (3)	C(25)-H(25")	0.986 (29)
C(41)-C(42)	1.400 (3)	C(26)-H(26)	0.907 (31)
C(41)-C(46)	1.390 (3)	C(26)-H(26')	0.946 (30)
C(42)-C(43)	1.392 (3)	C(26)-H(26")	1.037 (34)
C(43)-C(44)	1.381 (4)	C(32)-H(32)	0.942 (25)
C(44)-C(45)	1.380 (4)	C(33)-H(33)	0.995 (26)
C(45)-C(46)	1.394 (3)	C(34)-H(34)	0.943 (31)
C(51)-C(52)	1.403 (3)	C(35)-H(35)	0.835 (32)
C(51)-C(56)	1.393 (3)	C(36)-H(36)	0.949 (28)
C(52)-C(53)	1.388 (3)	C(42)-H(42)	0.949 (26)
C(53)-C(54)	1.374 (4)	C(43)-H(43)	1.023 (30)
C(54)-C(55)	1.387 (4)	C(44)-H(44)	0.993 (30)
C(55)-C(56)	1.384 (3)	C(45)-H(45)	0.945 (28)
C(1)-H(1)	0.943 (27)	C(46)-H(46)	1.020 (24)
C(1)-H(1')	0.957 (30)	C(52)-H(52)	0.916 (25)
C(2)-H(2)	0.895 (31)	C(53)-H(53)	0.944 (31)
C(2)-H(2')	0.920 (29)	C(54)-H(54)	0.951 (30)
C(3)-H(3)	0.978 (36)	C(55)-H(55)	0.934 (32)
C(3)-H(3')	0.958 (32)	C(56)-H(56)	0.951 (26)

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TABLE IV. Intramolecular Angles (Deg)

P(1)-Rh(1)-P(2)	159.92 (2)	P(1)-C(1)-H(1)	112 (2)
P(1)-Rh(1)-P(3)	98.71 (2)	P(1)-C(1)-H(1')	111 (2)
P(2)-Rh(1)-P(3)	97.52 (2)	P(2)-C(2)-H(2)	115 (2)
P(1)-Rh(1)-N(1)	82.74 (5)	P(2)-C(2)-H(2')	103 (2)
P(2)-Rh(1)-N(1)	84.58 (5)	P(1)-C(11)-H(11)	105 (1)
P(3)-Rh(1)-N(1)	165.21 (5)	P(1)-C(14)-H(14)	106 (1)
Rh(1)-P(1)-C(1)	108.43 (8)	P(2)-C(21)-H(21)	104 (2)
Rh(1)-P(1)-C(11)	128.46 (7)	P(2)-C(24)-H(24)	104 (1)
Rh(1)-P(1)-C(14)	112.06 (8)	Si(1)-C(1)-H(1)	110 (2)
Rh(1)-P(2)-C(2)	105.71 (8)	Si(1)-C(1)-H(1')	111 (2)
Rh(1)-P(2)-C(21)	118.42 (8)	Si(2)-C(2)-H(2)	112 (2)
Rh(1)-P(2)-C(24)	118.93 (8)	Si(2)-C(2)-H(2')	109 (2)
Rh(1)-P(3)-C(31)	121.53 (6)	Si(1)-C(3)-H(3)	115 (2)
Rh(1)-P(3)-C(41)	111.33 (7)	Si(1)-C(3)-H(3')	109 (2)
Rh(1)-P(3)-C(51)	119.82 (7)	Si(1)-C(3)-H(3")	113 (2)
C(1)-P(1)-C(11)	102.4 (1)	Si(1)-C(4)-H(4)	111 (2)
C(1)-P(1)-C(14)	101.4 (1)	Si(1)-C(4)-H(4')	110 (2)

C(11)-P(1)-C(14)	100.7 (1)	Si(1)-C(4)-H(4")	111 (2)
C(2)-P(2)-C(21)	105.5 (1)	Si(2)-C(5)-H(5)	108 (2)
C(2)-P(2)-C(24)	102.5 (1)	Si(2)-C(5)-H(5')	112 (2)
C(21)-P(2)-C(24)	104.0 (1)	Si(2)-C(5)-H(5")	110 (2)
C(31)-P(3)-C(41)	97.7 (1)	Si(2)-C(6)-H(6)	109 (2)
C(31)-P(3)-C(51)	100.0 (1)	Si(2)-C(6)-H(6')	113 (2)
C(41)-P(3)-C(51)	103.0 (1)	Si(2)-C(6)-H(6")	109 (2)
N(1)-Si(1)-C(1)	107.1 (1)	C(12)-C(11)-C(13)	108.9 (2)
N(1)-Si(1)-C(3)	114.8 (1)	C(15)-C(14)-C(16)	110.0 (2)
N(1)-Si(1)-C(4)	113.2 (1)	C(22)-C(21)-C(23)	109.9 (2)
N(1)-Si(2)-C(2)	104.8 (1)	C(25)-C(24)-C(26)	110.9 (2)
N(1)-Si(2)-C(5)	114.7 (1)	C(32)-C(31)-C(36)	117.8 (2)
N(1)-Si(2)-C(6)	116.2 (1)	C(31)-C(32)-C(33)	121.0 (2)
C(1)-Si(1)-C(3)	107.6 (1)	C(32)-C(33)-C(34)	120.1 (2)
C(1)-Si(1)-C(4)	107.4 (1)	C(33)-C(34)-C(35)	119.7 (2)
C(3)-Si(1)-C(4)	106.4 (1)	C(34)-C(35)-C(36)	120.6 (2)
C(2)-Si(2)-C(5)	110.7 (1)	C(31)-C(36)-C(35)	120.7 (2)
C(2)-Si(2)-C(6)	105.8 (1)	C(42)-C(41)-C(46)	118.7 (2)
C(5)-Si(2)-C(6)	104.4 (1)	C(41)-C(42)-C(43)	120.4 (2)
Rh(1)-N(1)-Si(1)	114.4 (1)	C(42)-C(43)-C(44)	120.0 (2)
Rh(1)-N(1)-Si(2)	122.2 (1)	C(43)-C(44)-C(45)	120.3 (2)
Si(1)-N(1)-Si(2)	122.7 (1)	C(44)-C(45)-C(46)	119.9 (2)
P(1)-C(1)-Si(1)	108.2 (1)	C(41)-C(46)-C(45)	120.6 (2)
P(2)-C(2)-Si(2)	110.0 (1)	C(52)-C(51)-C(56)	117.7 (2)
P(1)-C(11)-C(12)	111.2 (2)	C(51)-C(52)-C(53)	120.8 (2)
P(1)-C(11)-C(13)	114.4 (2)	C(52)-C(53)-C(54)	120.4 (2)
P(1)-C(14)-C(15)	113.3 (2)	C(53)-C(54)-C(55)	119.8 (2)
P(1)-C(14)-C(16)	112.3 (2)	C(54)-C(55)-C(56)	119.9 (2)
P(2)-C(21)-C(22)	110.3 (2)	C(51)-C(56)-C(55)	121.4 (2)
P(2)-C(21)-C(23)	116.0 (2)	C(12)-C(11)-H(11)	109 (1)
P(2)-C(24)-C(25)	109.9 (2)	C(13)-C(11)-H(11)	108 (1)
P(2)-C(24)-C(26)	115.5 (2)	C(11)-C(12)-H(12)	108 (2)
P(3)-C(31)-C(32)	118.6 (2)	C(11)-C(12)-H(12')	112 (2)
P(3)-C(31)-C(36)	123.4 (2)	C(11)-C(12)-H(12")	112 (2)
P(3)-C(41)-C(42)	122.0 (2)	C(11)-C(13)-H(13)	110 (2)
P(3)-C(41)-C(46)	119.2 (2)	C(11)-C(13)-H(13')	108 (2)
P(3)-C(51)-C(52)	124.9 (2)	C(11)-C(13)-H(13")	112 (2)
P(3)-C(51)-C(56)	117.3 (2)	C(15)-C(14)-H(14)	107 (1)
C(16)-C(14)-H(14)	108 (1)	C(54)-C(53)-H(53)	117 (2)
C(14)-C(15)-H(15)	110 (2)	C(53)-C(54)-H(54)	120 (2)
C(14)-C(15)-H(15')	107 (2)	C(55)-C(54)-H(54)	121 (2)
C(14)-C(15)-H(15")	115 (2)	C(54)-C(55)-H(55)	120 (2)
C(14)-C(16)-H(16)	112 (2)	C(56)-C(55)-H(55)	120 (2)
C(14)-C(16)-H(16')	113 (2)	C(51)-C(56)-H(56)	119 (1)
C(14)-C(16)-H(16")	110 (2)	C(55)-C(56)-H(56)	120 (1)
C(22)-C(21)-H(21)	107 (2)	H(1)-C(1)-H(1')	105 (2)
C(23)-C(21)-H(21)	109 (2)	H(2)-C(2)-H(2')	107 (2)

C(21)-C(22)-H(22)	111 (1)	H(3)-C(3)-H(3')	101 (3)
C(21)-C(22)-H(22')	113 (2)	H(3)-C(3)-H(3")	108 (3)
C(21)-C(22)-H(22")	110 (2)	H(3')-C(3)-H(3")	110 (3)
C(21)-C(23)-H(23)	108 (2)	H(4)-C(4)-H(4')	110 (2)
C(21)-C(23)-H(23')	115 (2)	H(4)-C(4)-H(4")	107 (3)
C(21)-C(23)-H(23")	113 (1)	H(4')-C(4)-H(4")	108 (3)
C(25)-C(24)-H(24)	109 (1)	H(5)-C(5)-H(5')	108 (3)
C(26)-C(24)-H(24)	108 (1)	H(5)-C(5)-H(5")	118 (3)
C(24)-C(25)-H(25)	107 (2)	H(5')-C(5)-H(5")	100 (3)
C(24)-C(25)-H(25')	114 (2)	H(6)-C(6)-H(6')	107 (3)
C(24)-C(25)-H(25")	110 (2)	H(6)-C(6)-H(6")	108 (3)
C(24)-C(26)-H(26)	111 (2)	H(6')-C(6)-H(6")	111 (3)
C(24)-C(26)-H(26')	105 (2)	H(12)-C(12)-H(12')	114 (2)
C(24)-C(26)-H(26")	110 (2)	H(12)-C(12)-H(12")	105 (2)
C(31)-C(32)-H(32)	120 (1)	H(12')-C(12)-H(12")	106 (3)
C(33)-C(32)-H(32)	119 (1)	H(13)-C(13)-H(13')	114 (2)
C(32)-C(33)-H(33)	119 (1)	H(13)-C(13)-H(13")	109 (2)
C(34)-C(33)-H(33)	121 (1)	H(13')-C(13)-H(13")	103 (2)
C(33)-C(34)-H(34)	120 (2)	H(15)-C(15)-H(15')	110 (2)
C(35)-C(34)-H(34)	121 (2)	H(15)-C(15)-H(15")	106 (2)
C(34)-C(35)-H(35)	123 (2)	H(15')-C(15)-H(15")	109 (3)
C(36)-C(35)-H(35)	116 (2)	H(16)-C(16)-H(16')	105 (2)
C(31)-C(36)-H(36)	122 (2)	H(16)-C(16)-H(16")	104 (2)
C(35)-C(36)-H(36)	117 (2)	H(16')-C(16)-H(16")	112 (3)
C(41)-C(42)-H(42)	121 (2)	H(22)-C(22)-H(22')	110 (2)
C(43)-C(42)-H(42)	119 (2)	H(22)-C(22)-H(22")	107 (2)
C(42)-C(43)-H(43)	118 (2)	H(22')-C(22)-H(22")	106 (2)
C(44)-C(43)-H(43)	122 (2)	H(23)-C(23)-H(23')	106 (3)
C(43)-C(44)-H(44)	118 (2)	H(23)-C(23)-H(23")	106 (2)
C(45)-C(44)-H(44)	122 (2)	H(23')-C(23)-H(23")	108 (2)
C(44)-C(45)-H(45)	119 (2)	H(25)-C(25)-H(25')	111 (3)
C(46)-C(45)-H(45)	121 (2)	H(25)-C(25)-H(25")	108 (2)
C(41)-C(46)-H(46)	119 (1)	H(25')-C(25)-H(25")	107 (3)
C(45)-C(46)-H(46)	120 (1)	H(26)-C(26)-H(26')	113 (2)
C(51)-C(52)-H(52)	121 (1)	H(26)-C(26)-H(26")	104 (2)
C(53)-C(52)-H(52)	118 (1)	H(26')-C(26)-H(26")	114 (2)
C(52)-C(53)-H(53)	123 (2)		

TABLE V. Intramolecular Non-Bonding Distances (A)

P(1)...C(56)	3.924 (2)	C(12)...C(52)	3.399 (4)
P(2)...C(32)	3.640 (2)	C(13)...C(16)	3.553 (4)
P(3)...C(12)	3.981 (3)	C(16)...C(55)	3.711 (4)
Si(1)...C(15)	3.752 (3)	C(16)...C(56)	3.424 (4)
Si(2)...C(15)	3.956 (3)	C(21)...C(32)	3.503 (3)
Si(2)...C(22)	4.068 (3)	C(22)...C(46)	3.739 (3)
Si(2)...C(23)	4.072 (3)	C(23)...C(26)	3.440 (4)

N(1)...C(15)	3.260 (3)	C(24)...C(31)	3.297 (3)
N(1)...C(22)	3.828 (3)	C(24)...C(32)	3.428 (3)
C(4)...C(6)	3.585 (4)	C(24)...C(33)	3.720 (3)
C(6)...C(15)	3.672 (4)	C(24)...C(36)	3.513 (3)
C(11)...C(51)	3.402 (3)	C(25)...C(36)	3.606 (4)
C(11)...C(52)	3.536 (3)	C(32)...C(42)	3.180 (3)
C(11)...C(56)	3.727 (3)	C(36)...C(56)	3.282 (3)
C(12)...C(46)	3.548 (4)	C(42)...C(52)	3.252 (3)
C(12)...C(51)	3.663 (3)		

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