On the Restricted Rotation About the P-C bond in the Triorganosilane {4-*t*-Bu-2,6-[P(O)(O*i*-Pr)$_2$]$_2$C$_6$H$_2$}SiPh$_2$H: Identification of a Novel Rotamer and its Conversion to the Siliconium Salt {4-*t*-Bu-2,6-[P(O)(O*i*-Pr)$_2$]$_2$C$_6$H$_2$}SiPh$_2^+$ PF$_6^-$.

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Supplementary Material

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Figure S1 Variable temperature ^{31}P NMR (161.98 MHz, CD_2Cl_2) spectra of compound **5**.

Figure S2: Variable temperature ^{1}H NMR (400.13 MHz, CD_2Cl_2) spectra of compound **5**.

Table 1a. Atomic coordinates (x 10^4) and equivalent isotropic displacement parameters (A^2 x 10^3) **for 4.**
U(eq) is defined as one third of the trace of the orthogonalized Uij tensor.

	x	y	z	U(eq)
P(1)	1423(1)	3136(1)	2599(1)	54(1)
P(2)	989(1)	2077(1)	4422(1)	70(1)
Si(1)	133(1)	3875(1)	3615(1)	54(1)
O(1)	-64(1)	3148(1)	2459(1)	56(1)
O(1')	2145(1)	4261(2)	2691(1)	52(1)
O(1")	2403(1)	2653(1)	2242(1)	54(1)
O(2)	139(2)	3049(2)	4458(1)	59(1)
O(2')	2358(3)	2025(3)	4723(1)	125(1)
O(2")	284(2)	996(2)	4568(1)	79(1)
C(1)	1229(2)	2614(2)	3521(1)	47(1)
C(2)	1778(2)	2358(2)	3103(1)	45(1)
C(3)	2573(2)	1421(3)	3057(1)	51(1)
C(4)	2845(2)	679(3)	3397(1)	50(1)
C(5)	2312(3)	943(2)	3803(1)	54(1)
C(6)	1541(2)	1874(3)	3871(1)	51(1)
C(7)	3676(3)	-352(3)	3345(1)	57(1)
C(8)	4145(3)	-510(2)	2868(1)	85(1)
C(9)	2789(3)	-1325(2)	3462(1)	87(1)
C(10)	4983(2)	-300(2)	3662(1)	84(1)
C(11)	1083(3)	4861(2)	3985(1)	50(1)
C(12)	540(3)	5426(3)	4336(1)	64(1)
C(13)	1284(3)	6196(3)	4575(1)	73(1)
C(14)	2644(3)	6405(3)	4475(1)	80(1)
C(15)	3241(3)	5854(3)	4139(1)	76(1)
C(16)	2467(3)	5088(2)	3893(1)	62(1)
C(21)	-1757(2)	3591(2)	3675(1)	49(1)
C(22)	-2532(3)	3713(2)	4052(1)	61(1)
C(23)	-3954(3)	3514(2)	4040(1)	71(1)
C(24)	-4627(3)	3149(2)	3651(1)	70(1)
C(25)	-3900(3)	3018(2)	3273(1)	65(1)
C(26)	-2484(3)	3241(2)	3287(1)	57(1)
C(31)	1561(3)	5271(3)	2510(1)	56(1)
C(32)	2415(3)	6162(2)	2722(1)	76(1)
C(33)	1515(2)	5291(2)	2009(1)	74(1)
C(34)	2007(3)	1781(2)	1934(1)	62(1)
C(35)	1107(3)	2214(2)	1549(1)	86(1)
C(36)	3349(2)	1294(2)	1781(1)	75(1)
C(42)	3032(3)	3651(4)	5120(1)	106(1)
C(41)	2764(6)	2631(5)	5122(2)	68(2)
C(43)	3857(5)	1964(4)	5358(2)	92(2)
C(41')	3176(8)	2545(7)	4788(3)	42(3)
C(43')	4508(6)	1881(6)	4884(2)	75(2)
C(44)	-1102(4)	741(3)	4360(1)	86(1)
C(45)	-2170(3)	963(2)	4700(1)	97(1)
C(46)	-1041(3)	-419(3)	4212(1)	104(1)

Table 2a. Bond lengths [A] and angles [deg] **for 4**.

P(1)-O(1)	1.4727(14)
P(1)-O(1')	1.5826(18)
P(1)-O(1")	1.5852(16)
P(1)-C(2)	1.817(3)
P(2)-O(2)	1.4692(17)
P(2)-O(2')	1.563(2)
P(2)-O(2")	1.580(2)
P(2)-C(6)	1.784(3)
Si(1)-H(1)	1.419(15)
Si(1)-C(11)	1.867(3)
Si(1)-C(21)	1.872(2)
Si(1)-C(1)	1.922(3)
Si(1)-O(2)	2.7378(18)
O(1)-H(1)	2.722(14)
O(1')-C(31)	1.472(3)
O(1')-H(1)	2.587(14)
O(1")-C(34)	1.466(3)
O(2')-C(41')	1.032(7)
O(2')-C(41)	1.456(7)
O(2")-C(44)	1.482(3)
C(1)-C(6)	1.420(3)
C(1)-C(2)	1.423(3)
C(2)-C(3)	1.407(3)
C(3)-C(4)	1.394(3)
C(4)-C(5)	1.387(3)
C(4)-C(7)	1.526(3)
C(5)-C(6)	1.398(3)
C(7)-C(9)	1.534(3)
C(7)-C(8)	1.537(3)
C(7)-C(10)	1.543(3)
C(11)-C(12)	1.391(3)
C(11)-C(16)	1.404(3)
C(12)-C(13)	1.379(3)
C(13)-C(14)	1.382(3)
C(14)-C(15)	1.372(3)
C(15)-C(16)	1.399(3)
C(21)-C(22)	1.396(3)
C(21)-C(26)	1.402(3)
C(22)-C(23)	1.390(3)
C(23)-C(24)	1.387(3)
C(24)-C(25)	1.375(3)
C(25)-C(26)	1.390(3)
C(31)-C(32)	1.504(3)
C(31)-C(33)	1.508(3)
C(34)-C(35)	1.512(3)
C(34)-C(36)	1.519(3)
C(42)-C(41)	1.297(6)
C(42)-C(41')	1.710(11)
C(41)-C(43)	1.494(6)
C(41')-C(43')	1.542(10)
C(44)-C(45)	1.512(3)
C(44)-C(46)	1.513(4)
O(1)-P(1)-O(1')	116.99(10)
O(1)-P(1)-O(1")	114.32(9)
O(1')-P(1)-O(1")	100.57(9)
O(1)-P(1)-C(2)	112.65(10)
O(1')-P(1)-C(2)	105.24(11)
O(1")-P(1)-C(2)	105.72(12)
O(2)-P(2)-O(2')	116.59(14)
O(2)-P(2)-O(2")	115.67(11)
O(2')-P(2)-O(2")	99.48(17)
O(2)-P(2)-C(6)	112.28(13)
O(2')-P(2)-C(6)	104.54(15)
O(2")-P(2)-C(6)	106.88(13)
H(1)-Si(1)-C(11)	102.7(6)
H(1)-Si(1)-C(21)	99.7(5)
C(11)-Si(1)-C(21)	121.15(13)
H(1)-Si(1)-C(1)	104.8(6)

Table 2a. Bond lengths [A] and angles [deg] **for 4**. (continued)

C(11)-Si(1)-C(1)	111.68(11)
C(21)-Si(1)-C(1)	113.79(12)
H(1)-Si(1)-O(2)	173.5(6)
C(11)-Si(1)-O(2)	73.47(9)
C(21)-Si(1)-O(2)	78.29(9)
C(1)-Si(1)-O(2)	81.63(10)
P(1)-O(1)-H(1)	76.6(3)
C(31)-O(1')-P(1)	122.34(15)
C(31)-O(1')-H(1)	82.2(4)
P(1)-O(1')-H(1)	79.6(3)
C(34)-O(1")-P(1)	124.45(14)
P(2)-O(2)-Si(1)	102.46(8)
C(41')-O(2')-C(41)	49.1(5)
C(41')-O(2')-P(2)	134.3(7)
C(41)-O(2')-P(2)	129.9(3)
C(44)-O(2")-P(2)	117.06(18)
C(6)-C(1)-C(2)	115.9(2)
C(6)-C(1)-Si(1)	121.2(2)
C(2)-C(1)-Si(1)	123.0(2)
C(3)-C(2)-C(1)	120.0(2)
C(3)-C(2)-P(1)	116.2(2)
C(1)-C(2)-P(1)	123.7(2)
C(4)-C(3)-C(2)	124.1(3)
C(5)-C(4)-C(3)	115.2(3)
C(5)-C(4)-C(7)	120.6(3)
C(3)-C(4)-C(7)	124.2(3)
C(4)-C(5)-C(6)	123.2(3)
C(5)-C(6)-C(1)	121.6(2)
C(5)-C(6)-P(2)	116.0(2)
C(1)-C(6)-P(2)	122.4(2)
C(4)-C(7)-C(9)	109.9(2)
C(4)-C(7)-C(8)	112.6(2)
C(9)-C(7)-C(8)	107.9(2)
C(4)-C(7)-C(10)	108.4(2)
C(9)-C(7)-C(10)	109.7(2)
C(8)-C(7)-C(10)	108.4(2)
C(12)-C(11)-C(16)	116.4(2)
C(12)-C(11)-Si(1)	126.4(2)
C(16)-C(11)-Si(1)	117.2(2)
C(13)-C(12)-C(11)	122.9(3)
C(12)-C(13)-C(14)	119.4(3)
C(15)-C(14)-C(13)	120.1(3)
C(14)-C(15)-C(16)	120.0(3)
C(15)-C(16)-C(11)	121.2(3)
C(22)-C(21)-C(26)	116.6(2)
C(22)-C(21)-Si(1)	128.2(2)
C(26)-C(21)-Si(1)	115.2(2)
C(23)-C(22)-C(21)	121.6(2)
C(24)-C(23)-C(22)	120.0(2)
C(25)-C(24)-C(23)	120.1(2)
C(24)-C(25)-C(26)	119.3(2)
C(25)-C(26)-C(21)	122.4(2)
O(1')-C(31)-C(32)	106.4(2)
O(1')-C(31)-C(33)	112.1(2)
C(32)-C(31)-C(33)	113.6(2)
O(1")-C(34)-C(35)	109.9(2)
O(1")-C(34)-C(36)	106.7(2)
C(35)-C(34)-C(36)	112.0(2)
C(41)-C(42)-C(41')	40.1(3)
C(42)-C(41)-O(2')	123.4(6)
C(42)-C(41)-C(43)	114.3(5)
O(2')-C(41)-C(43)	105.0(5)
O(2')-C(41')-C(43')	108.6(8)
O(2')-C(41')-C(42)	122.3(8)
C(43')-C(41')-C(42)	114.4(6)
O(2")-C(44)-C(45)	107.6(3)
O(2")-C(44)-C(46)	106.3(3)
C(45)-C(44)-C(46)	114.2(3)

Table 3a. Anisotropic displacement parameters (A^2 x 10^3) **for 4**.
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
P(1)	46(1)	61(1)	54(1)	-3(1)	4(1)	2(1)
P(2)	77(1)	82(1)	49(1)	-5(1)	-6(1)	21(1)
Si(1)	47(1)	62(1)	54(1)	-5(1)	0(1)	6(1)
O(1)	37(1)	73(2)	56(1)	-2(1)	-2(1)	0(1)
O(1')	46(1)	41(2)	68(1)	-4(1)	2(1)	-2(1)
O(1")	49(1)	60(2)	54(1)	-14(1)	10(1)	-3(1)
O(2)	61(1)	65(2)	52(1)	1(1)	7(1)	15(1)
O(2')	133(3)	148(3)	86(2)	-61(2)	-65(2)	78(2)
O(2")	118(2)	68(2)	52(1)	11(1)	6(1)	17(1)
C(1)	37(2)	52(2)	50(2)	-10(2)	-5(1)	-3(1)
C(2)	34(2)	47(2)	52(2)	-7(2)	-1(1)	1(2)
C(3)	40(2)	60(3)	53(2)	-7(2)	2(2)	-5(2)
C(4)	43(2)	51(3)	54(2)	-10(2)	-4(2)	2(2)
C(5)	51(2)	58(3)	53(2)	-2(2)	-8(2)	3(2)
C(6)	43(2)	58(3)	52(2)	-6(2)	-3(1)	8(2)
C(7)	58(2)	51(3)	62(2)	-4(2)	5(2)	11(2)
C(8)	94(2)	82(3)	81(2)	-5(2)	9(2)	33(2)
C(9)	88(2)	60(3)	113(3)	-3(2)	12(2)	5(2)
C(10)	62(2)	91(3)	97(2)	-13(2)	-13(2)	26(2)
C(11)	48(2)	53(2)	48(2)	-8(2)	-1(2)	5(2)
C(12)	53(2)	74(3)	63(2)	-18(2)	-1(2)	0(2)
C(13)	66(2)	85(3)	68(2)	-26(2)	7(2)	4(2)
C(14)	73(3)	91(3)	75(2)	-31(2)	-3(2)	-10(2)
C(15)	57(2)	93(3)	78(2)	-20(2)	5(2)	-13(2)
C(16)	59(2)	70(3)	56(2)	-10(2)	4(2)	1(2)
C(21)	42(2)	57(2)	48(2)	-2(2)	-1(2)	8(2)
C(22)	49(2)	74(3)	58(2)	-7(2)	-1(2)	9(2)
C(23)	54(2)	95(3)	63(2)	-5(2)	13(2)	9(2)
C(24)	42(2)	83(3)	85(2)	0(2)	6(2)	0(2)
C(25)	46(2)	79(3)	68(2)	-7(2)	-1(2)	1(2)
C(26)	45(2)	68(3)	58(2)	-3(2)	5(2)	5(2)
C(31)	54(2)	47(2)	69(2)	5(2)	11(2)	7(2)
C(32)	97(2)	54(3)	75(2)	-5(2)	-2(2)	-5(2)
C(33)	81(2)	78(3)	62(2)	3(2)	2(2)	1(2)
C(34)	64(2)	60(3)	63(2)	-12(2)	11(2)	-7(2)
C(35)	92(2)	103(3)	61(2)	-19(2)	-7(2)	9(2)
C(36)	78(2)	74(3)	75(2)	-14(2)	22(2)	1(2)
C(42)	84(3)	154(4)	78(3)	-23(3)	-7(2)	21(3)
C(41)	58(4)	72(6)	72(4)	24(5)	-8(4)	15(4)
C(43)	78(4)	102(5)	94(4)	22(4)	-30(4)	-24(4)
C(41')	47(6)	58(8)	23(5)	11(5)	14(4)	-18(5)
C(43')	33(4)	91(7)	102(6)	-12(5)	3(4)	-8(5)
C(44)	119(3)	76(3)	63(2)	8(2)	6(2)	-1(3)
C(45)	112(3)	83(3)	98(3)	-9(2)	24(2)	2(2)
C(46)	159(3)	76(3)	77(2)	-10(2)	24(2)	-1(3)

Table 4a. Hydrogen coordinates (x 10^4) and isotropic displacement parameters (A^2 x 10^3) **for 4.**

	x	y	z	U(eq)
H(3A)	2939	1287	2782	61
H(5A)	2476	477	4041	65
H(8A)	3343	-587	2668	128
H(8B)	4709	-1144	2856	128
H(8C)	4675	102	2783	128
H(9A)	1951	-1331	3276	130
H(9B)	2559	-1280	3768	130
H(9C)	3304	-1973	3416	130
H(10A)	5519	324	3594	125
H(10B)	5535	-933	3625	125
H(10C)	4708	-258	3964	125
H(12A)	-365	5279	4411	76
H(13A)	876	6570	4802	88
H(14A)	3155	6919	4637	96
H(15A)	4159	5990	4074	91
H(16A)	2878	4723	3664	74
H(22A)	-2085	3933	4318	73
H(23A)	-4453	3626	4292	85
H(24A)	-5572	2992	3646	84
H(25A)	-4351	2782	3010	77
H(26A)	-2001	3156	3029	69
H(31A)	607	5340	2606	68
H(32A)	2434	6088	3039	113
H(32B)	2010	6842	2638	113
H(32C)	3346	6126	2622	113
H(33A)	955	4706	1895	111
H(33B)	2441	5222	1908	111
H(33C)	1120	5958	1904	111
H(34A)	1487	1235	2091	74
H(35A)	277	2522	1659	129
H(35B)	864	1641	1346	129
H(35C)	1610	2756	1396	129
H(36A)	3913	1067	2036	113
H(36B)	3844	1821	1618	113
H(36C)	3137	687	1593	113
H(42A)	2251	4031	4986	159
H(42B)	3838	3781	4952	159
H(42C)	3203	3897	5420	159
H(41)	1960	2569	5307	81
H(43A)	3634	1217	5320	138
H(43B)	3898	2138	5669	138
H(43C)	4742	2107	5237	138
H(41')	3326	2859	4496	51
H(43D)	4457	1229	4714	113
H(43E)	4597	1711	5195	113
H(43F)	5302	2290	4802	113
H(44A)	-1283	1202	4099	103
H(45A)	-2096	1697	4795	146
H(45B)	-2008	497	4951	146
H(45C)	-3085	835	4569	146
H(46A)	-372	-492	3988	155
H(46B)	-1939	-638	4093	155
H(46C)	-773	-863	4463	155
H(1)	61(13)	4410(12)	3198(5)	17(4)

Table 5a. Torsion angles [deg] **for 4**.

O(1')-P(1)-O(1)-H(1)	-50.6(3)
O(1")-P(1)-O(1)-H(1)	-167.7(3)
C(2)-P(1)-O(1)-H(1)	71.6(4)
O(1)-P(1)-O(1')-C(31)	-20.21(19)
O(1")-P(1)-O(1')-C(31)	104.20(17)
C(2)-P(1)-O(1')-C(31)	-146.14(17)
O(1)-P(1)-O(1')-H(1)	53.5(3)
O(1")-P(1)-O(1')-H(1)	177.9(3)
C(2)-P(1)-O(1')-H(1)	-72.4(3)
O(1)-P(1)-O(1")-C(34)	-33.7(2)
O(1')-P(1)-O(1")-C(34)	-159.89(18)
C(2)-P(1)-O(1")-C(34)	90.83(19)
O(2')-P(2)-O(2)-Si(1)	118.67(16)
O(2")-P(2)-O(2)-Si(1)	-124.91(10)
C(6)-P(2)-O(2)-Si(1)	-1.89(12)
H(1)-Si(1)-O(2)-P(2)	-170(4)
C(11)-Si(1)-O(2)-P(2)	-114.61(12)
C(21)-Si(1)-O(2)-P(2)	117.61(12)
C(1)-Si(1)-O(2)-P(2)	1.05(10)
O(2)-P(2)-O(2')-C(41')	-48.7(11)
O(2")-P(2)-O(2')-C(41')	-173.8(10)
C(6)-P(2)-O(2')-C(41')	75.9(10)
O(2)-P(2)-O(2')-C(41)	19.1(6)
O(2")-P(2)-O(2')-C(41)	-105.9(5)
C(6)-P(2)-O(2')-C(41)	143.7(5)
O(2)-P(2)-O(2")-C(44)	53.1(2)
O(2')-P(2)-O(2")-C(44)	178.8(2)
C(6)-P(2)-O(2")-C(44)	-72.8(2)
H(1)-Si(1)-C(1)-C(6)	179.3(6)
C(11)-Si(1)-C(1)-C(6)	68.8(2)
C(21)-Si(1)-C(1)-C(6)	-72.8(2)
O(2)-Si(1)-C(1)-C(6)	0.44(18)
H(1)-Si(1)-C(1)-C(2)	-0.6(6)
C(11)-Si(1)-C(1)-C(2)	-111.1(2)
C(21)-Si(1)-C(1)-C(2)	107.3(2)
O(2)-Si(1)-C(1)-C(2)	-179.48(19)
C(6)-C(1)-C(2)-C(3)	0.1(3)
Si(1)-C(1)-C(2)-C(3)	-179.98(17)
C(6)-C(1)-C(2)-P(1)	175.86(17)
Si(1)-C(1)-C(2)-P(1)	-4.2(3)
O(1)-P(1)-C(2)-C(3)	113.94(18)
O(1')-P(1)-C(2)-C(3)	-117.49(18)
O(1")-P(1)-C(2)-C(3)	-11.6(2)
O(1)-P(1)-C(2)-C(1)	-62.0(2)
O(1')-P(1)-C(2)-C(1)	66.6(2)
O(1")-P(1)-C(2)-C(1)	172.51(18)
C(1)-C(2)-C(3)-C(4)	1.8(4)
P(1)-C(2)-C(3)-C(4)	-174.25(18)
C(2)-C(3)-C(4)-C(5)	-2.2(4)
C(2)-C(3)-C(4)-C(7)	178.4(2)
C(3)-C(4)-C(5)-C(6)	0.7(4)
C(7)-C(4)-C(5)-C(6)	-179.9(2)
C(4)-C(5)-C(6)-C(1)	1.1(4)
C(4)-C(5)-C(6)-P(2)	-178.51(19)
C(2)-C(1)-C(6)-C(5)	-1.5(3)
Si(1)-C(1)-C(6)-C(5)	178.60(18)
C(2)-C(1)-C(6)-P(2)	178.10(17)
Si(1)-C(1)-C(6)-P(2)	-1.8(3)
O(2)-P(2)-C(6)-C(5)	-177.65(18)
O(2')-P(2)-C(6)-C(5)	55.1(3)
O(2")-P(2)-C(6)-C(5)	-49.8(2)
O(2)-P(2)-C(6)-C(1)	2.8(2)
O(2')-P(2)-C(6)-C(1)	-124.5(2)
O(2")-P(2)-C(6)-C(1)	130.6(2)

C(5)-C(4)-C(7)-C(9)	58.4(3)

Table 5a. Torsion angles [deg] **for 4**. (continued)

C(3)-C(4)-C(7)-C(9)	-122.2(3)
C(5)-C(4)-C(7)-C(8)	178.7(2)
C(3)-C(4)-C(7)-C(8)	-2.0(4)
C(5)-C(4)-C(7)-C(10)	-61.5(3)
C(3)-C(4)-C(7)-C(10)	117.9(3)
H(1)-Si(1)-C(11)-C(12)	112.3(6)
C(21)-Si(1)-C(11)-C(12)	2.5(3)
C(1)-Si(1)-C(11)-C(12)	-135.9(2)
O(2)-Si(1)-C(11)-C(12)	-62.2(2)
H(1)-Si(1)-C(11)-C(16)	-65.1(6)
C(21)-Si(1)-C(11)-C(16)	-174.91(18)
C(1)-Si(1)-C(11)-C(16)	46.7(2)
O(2)-Si(1)-C(11)-C(16)	120.4(2)
C(16)-C(11)-C(12)-C(13)	1.9(4)
Si(1)-C(11)-C(12)-C(13)	-175.5(2)
C(11)-C(12)-C(13)-C(14)	-1.8(4)
C(12)-C(13)-C(14)-C(15)	0.4(4)
C(13)-C(14)-C(15)-C(16)	0.7(5)
C(14)-C(15)-C(16)-C(11)	-0.5(4)
C(12)-C(11)-C(16)-C(15)	-0.8(4)
Si(1)-C(11)-C(16)-C(15)	176.9(2)
H(1)-Si(1)-C(21)-C(22)	-136.1(6)
C(11)-Si(1)-C(21)-C(22)	-24.7(3)
C(1)-Si(1)-C(21)-C(22)	112.9(3)
O(2)-Si(1)-C(21)-C(22)	37.6(2)
H(1)-Si(1)-C(21)-C(26)	41.8(6)
C(11)-Si(1)-C(21)-C(26)	153.21(19)
C(1)-Si(1)-C(21)-C(26)	-69.2(2)
O(2)-Si(1)-C(21)-C(26)	-144.5(2)
C(26)-C(21)-C(22)-C(23)	-1.0(4)
Si(1)-C(21)-C(22)-C(23)	176.9(2)
C(21)-C(22)-C(23)-C(24)	2.3(4)
C(22)-C(23)-C(24)-C(25)	-2.2(4)
C(23)-C(24)-C(25)-C(26)	0.8(4)
C(24)-C(25)-C(26)-C(21)	0.5(4)
C(22)-C(21)-C(26)-C(25)	-0.5(4)
Si(1)-C(21)-C(26)-C(25)	-178.6(2)
P(1)-O(1')-C(31)-C(32)	172.08(15)
H(1)-O(1')-C(31)-C(32)	99.7(3)
P(1)-O(1')-C(31)-C(33)	-63.2(2)
H(1)-O(1')-C(31)-C(33)	-135.6(4)
P(1)-O(1")-C(34)-C(35)	79.2(2)
P(1)-O(1")-C(34)-C(36)	-159.09(16)
C(41')-C(42)-C(41)-O(2')	-32.9(5)
C(41')-C(42)-C(41)-C(43)	96.8(8)
C(41')-O(2')-C(41)-C(42)	50.1(9)
P(2)-O(2')-C(41)-C(42)	-68.6(9)
C(41')-O(2')-C(41)-C(43)	-83.3(9)
P(2)-O(2')-C(41)-C(43)	158.0(3)
C(41)-O(2')-C(41')-C(43')	101.8(9)
P(2)-O(2')-C(41')-C(43')	-148.4(5)
C(41)-O(2')-C(41')-C(42)	-35.1(6)
P(2)-O(2')-C(41')-C(42)	74.8(13)
C(41)-C(42)-C(41')-O(2')	49.1(8)
C(41)-C(42)-C(41')-C(43')	-85.5(8)
P(2)-O(2")-C(44)-C(45)	-104.4(2)
P(2)-O(2")-C(44)-C(46)	132.8(2)

Table 1b. Atomic coordinates (x 10^4) and equivalent isotropic displacement parameters (A^2 x 10^3) **for 6.**
U(eq) is defined as one third of the trace of the orthogonalized Uij tensor.

	x	y	z	U(eq)
P(1)	4365(1)	6422(1)	2269(1)	30(1)
P(2)	7805(1)	7477(1)	3790(1)	31(1)
P(3)	9010(1)	4761(1)	2053(1)	57(1)
Si(1)	5583(1)	6505(1)	3553(1)	30(1)
F(1)	8410(2)	5644(1)	2203(1)	101(1)
F(2)	7780(2)	4305(1)	1958(1)	95(1)
F(3)	8905(2)	5003(1)	1356(1)	116(1)
F(4)	10241(2)	5188(1)	2185(1)	92(1)
F(5)	9092(1)	4513(1)	2768(1)	72(1)
F(6)	9596(1)	3869(1)	1909(1)	70(1)
O(1)	4434(1)	6074(1)	2921(1)	32(1)
O(1')	3280(1)	6967(1)	2063(1)	35(1)
O(1")	4338(1)	5714(1)	1765(1)	36(1)
O(2)	6912(1)	6952(1)	4069(1)	32(1)
O(2')	7958(1)	8408(1)	4041(1)	35(1)
O(2")	9025(1)	7072(1)	3917(1)	35(1)
C(1)	6200(2)	7074(1)	2901(1)	28(1)
C(2)	5607(2)	7078(1)	2304(1)	28(1)
C(3)	6008(2)	7537(1)	1828(1)	31(1)
C(4)	7038(2)	7997(1)	1925(1)	30(1)
C(5)	7645(2)	7995(1)	2526(1)	31(1)
C(6)	7228(2)	7543(1)	3001(1)	28(1)
C(7)	7482(2)	8518(1)	1412(1)	36(1)
C(8)	6843(2)	8281(2)	775(1)	58(1)
C(9)	8764(2)	8353(2)	1396(1)	55(1)
C(10)	7281(2)	9473(2)	1534(1)	59(1)
C(11)	4545(2)	7121(1)	3979(1)	31(1)
C(12)	4910(2)	7571(1)	4522(1)	39(1)
C(13)	4159(2)	8057(2)	4819(1)	46(1)
C(14)	3017(2)	8123(2)	4586(1)	44(1)
C(15)	2625(2)	7686(2)	4056(1)	51(1)
C(16)	3377(2)	7183(2)	3765(1)	46(1)
C(21)	6018(2)	5391(1)	3806(1)	32(1)
C(22)	5976(2)	5125(1)	4412(1)	41(1)
C(23)	6352(2)	4315(2)	4614(1)	52(1)
C(24)	6772(2)	3753(2)	4208(1)	56(1)
C(25)	6832(2)	4001(2)	3607(1)	55(1)
C(26)	6464(2)	4817(1)	3414(1)	44(1)
C(31)	2086(2)	6591(1)	1977(1)	40(1)
C(32)	1314(2)	7256(2)	2191(1)	59(1)
C(33)	1785(2)	6363(2)	1309(1)	75(1)
C(34)	5307(2)	5107(1)	1722(1)	37(1)
C(35)	4902(2)	4225(1)	1887(1)	56(1)
C(36)	5597(2)	5179(2)	1069(1)	53(1)
C(41)	8453(2)	8588(1)	4689(1)	42(1)
C(42)	7706(2)	9279(2)	4915(1)	63(1)
C(43)	9680(2)	8843(2)	4693(1)	71(1)
C(44)	9210(2)	6130(2)	3822(1)	48(1)
C(45)	9119(3)	5673(2)	4406(1)	83(1)
C(46)	10356(3)	6064(2)	3601(1)	77(1)

Table 2b. Bond lengths [A] and angles [deg] **for 6**.

P(1)-O(1)	1.5123(13)
P(1)-O(1')	1.5451(15)
P(1)-O(1")	1.5535(14)
P(1)-C(2)	1.770(2)
P(2)-O(2)	1.5120(15)
P(2)-O(2')	1.5511(14)
P(2)-O(2")	1.5537(15)
P(2)-C(6)	1.7724(19)
P(3)-F(3)	1.5551(17)
P(3)-F(4)	1.5795(17)
P(3)-F(2)	1.5945(19)
P(3)-F(1)	1.5949(17)
P(3)-F(5)	1.5967(16)
P(3)-F(6)	1.5969(16)
Si(1)-C(21)	1.869(2)
Si(1)-C(11)	1.882(2)
Si(1)-C(1)	1.891(2)
Si(1)-O(1)	1.9225(14)
Si(1)-O(2)	1.9312(14)
O(1')-C(31)	1.504(2)
O(1")-C(34)	1.489(2)
O(2')-C(41)	1.484(2)
O(2")-C(44)	1.498(3)
C(1)-C(2)	1.397(3)
C(1)-C(6)	1.401(3)
C(2)-C(3)	1.389(3)
C(3)-C(4)	1.396(3)
C(4)-C(5)	1.411(3)
C(4)-C(7)	1.523(3)
C(5)-C(6)	1.389(3)
C(7)-C(9)	1.525(3)
C(7)-C(10)	1.534(3)
C(7)-C(8)	1.537(3)
C(11)-C(16)	1.391(3)
C(11)-C(12)	1.395(3)
C(12)-C(13)	1.380(3)
C(13)-C(14)	1.373(3)
C(14)-C(15)	1.370(3)
C(15)-C(16)	1.390(3)
C(21)-C(26)	1.383(3)
C(21)-C(22)	1.391(3)
C(22)-C(23)	1.387(3)
C(23)-C(24)	1.377(3)
C(24)-C(25)	1.376(3)
C(25)-C(26)	1.388(3)
C(31)-C(32)	1.486(3)
C(31)-C(33)	1.498(3)
C(34)-C(36)	1.508(3)
C(34)-C(35)	1.510(3)
C(41)-C(43)	1.489(3)
C(41)-C(42)	1.507(3)
C(44)-C(45)	1.474(3)
C(44)-C(46)	1.484(4)
O(1)-P(1)-O(1')	114.50(8)
O(1)-P(1)-O(1")	113.85(8)
O(1')-P(1)-O(1")	103.88(8)
O(1)-P(1)-C(2)	102.66(8)
O(1')-P(1)-C(2)	109.67(9)
O(1")-P(1)-C(2)	112.53(9)
O(2)-P(2)-O(2')	114.67(8)
O(2)-P(2)-O(2")	112.08(8)
O(2')-P(2)-O(2")	104.72(8)
O(2)-P(2)-C(6)	102.88(9)
O(2')-P(2)-C(6)	107.56(8)
O(2")-P(2)-C(6)	115.19(9)
F(3)-P(3)-F(4)	92.00(12)
F(3)-P(3)-F(2)	91.19(12)
F(4)-P(3)-F(2)	176.71(11)
F(3)-P(3)-F(1)	90.51(10)
F(4)-P(3)-F(1)	90.94(11)
F(2)-P(3)-F(1)	89.85(11)
F(3)-P(3)-F(5)	178.92(12)
F(4)-P(3)-F(5)	88.99(9)
F(2)-P(3)-F(5)	87.84(10)
F(1)-P(3)-F(5)	89.02(9)
F(3)-P(3)-F(6)	90.03(10)
F(4)-P(3)-F(6)	89.76(10)

Table 2b. Bond lengths [A] and angles [deg] **for 6**. (continued)

F(2)-P(3)-F(6)	89.42(9)
F(1)-P(3)-F(6)	179.10(11)
F(5)-P(3)-F(6)	90.43(9)
C(21)-Si(1)-C(11)	119.65(9)
C(21)-Si(1)-C(1)	122.73(9)
C(11)-Si(1)-C(1)	117.55(9)
C(21)-Si(1)-O(1)	91.68(8)
C(11)-Si(1)-O(1)	95.42(8)
C(1)-Si(1)-O(1)	85.58(7)
C(21)-Si(1)-O(2)	89.55(8)
C(11)-Si(1)-O(2)	92.93(8)
C(1)-Si(1)-O(2)	85.08(8)
O(1)-Si(1)-O(2)	169.61(7)
P(1)-O(1)-Si(1)	119.92(8)
C(31)-O(1')-P(1)	122.63(12)
C(34)-O(1")-P(1)	123.09(12)
P(2)-O(2)-Si(1)	120.48(8)
C(41)-O(2')-P(2)	121.71(12)
C(44)-O(2")-P(2)	121.15(13)
C(2)-C(1)-C(6)	117.25(18)
C(2)-C(1)-Si(1)	120.74(16)
C(6)-C(1)-Si(1)	121.93(14)
C(3)-C(2)-C(1)	121.66(18)
C(3)-C(2)-P(1)	128.07(15)
C(1)-C(2)-P(1)	110.27(15)
C(2)-C(3)-C(4)	121.13(18)
C(3)-C(4)-C(5)	117.63(18)
C(3)-C(4)-C(7)	121.96(17)
C(5)-C(4)-C(7)	120.36(18)
C(6)-C(5)-C(4)	120.71(19)
C(5)-C(6)-C(1)	121.61(17)
C(5)-C(6)-P(2)	128.78(16)
C(1)-C(6)-P(2)	109.58(14)
C(4)-C(7)-C(9)	110.68(18)
C(4)-C(7)-C(10)	108.27(18)
C(9)-C(7)-C(10)	109.8(2)
C(4)-C(7)-C(8)	111.29(18)
C(9)-C(7)-C(8)	107.98(19)
C(10)-C(7)-C(8)	108.77(19)
C(16)-C(11)-C(12)	115.7(2)
C(16)-C(11)-Si(1)	122.46(16)
C(12)-C(11)-Si(1)	121.76(17)
C(13)-C(12)-C(11)	121.8(2)
C(14)-C(13)-C(12)	121.0(2)
C(15)-C(14)-C(13)	118.8(2)
C(14)-C(15)-C(16)	120.0(2)
C(15)-C(16)-C(11)	122.5(2)
C(26)-C(21)-C(22)	117.03(19)
C(26)-C(21)-Si(1)	121.73(15)
C(22)-C(21)-Si(1)	121.11(16)
C(23)-C(22)-C(21)	121.6(2)
C(24)-C(23)-C(22)	119.8(2)
C(25)-C(24)-C(23)	119.9(2)
C(24)-C(25)-C(26)	119.5(2)
C(21)-C(26)-C(25)	122.1(2)
C(32)-C(31)-C(33)	113.0(2)
C(32)-C(31)-O(1')	106.38(17)
C(33)-C(31)-O(1')	108.42(19)
O(1")-C(34)-C(36)	105.99(16)
O(1")-C(34)-C(35)	107.28(18)
C(36)-C(34)-C(35)	114.0(2)
O(2')-C(41)-C(43)	108.51(19)
O(2')-C(41)-C(42)	105.82(18)
C(43)-C(41)-C(42)	114.0(2)
C(45)-C(44)-C(46)	114.3(2)
C(45)-C(44)-O(2")	109.0(2)
C(46)-C(44)-O(2")	105.3(2)

Table 3b. Anisotropic displacement parameters (A^2 x 10^3) **for 6.**
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
P(1)	34(1)	25(1)	32(1)	-1(1)	1(1)	-3(1)
P(2)	34(1)	27(1)	29(1)	-1(1)	-1(1)	1(1)
P(3)	57(1)	48(1)	63(1)	-1(1)	-7(1)	3(1)
Si(1)	36(1)	24(1)	30(1)	2(1)	3(1)	0(1)
F(1)	143(2)	56(1)	102(1)	-4(1)	3(1)	33(1)
F(2)	54(1)	102(1)	123(2)	-34(1)	-8(1)	-1(1)
F(3)	172(2)	119(2)	56(1)	17(1)	4(1)	54(2)
F(4)	82(1)	97(1)	95(1)	1(1)	12(1)	-46(1)
F(5)	84(1)	68(1)	63(1)	9(1)	11(1)	-4(1)
F(6)	65(1)	59(1)	87(1)	-3(1)	9(1)	13(1)
O(1)	37(1)	26(1)	34(1)	0(1)	3(1)	-4(1)
O(1')	31(1)	29(1)	42(1)	2(1)	-1(1)	-3(1)
O(1")	37(1)	31(1)	39(1)	-8(1)	1(1)	-3(1)
O(2)	36(1)	30(1)	30(1)	1(1)	2(1)	1(1)
O(2')	43(1)	29(1)	32(1)	-4(1)	-4(1)	0(1)
O(2")	35(1)	32(1)	37(1)	-1(1)	-3(1)	1(1)
C(1)	37(1)	18(1)	30(1)	-2(1)	3(1)	4(1)
C(2)	30(1)	23(1)	31(1)	-3(1)	2(1)	1(1)
C(3)	36(1)	28(1)	29(1)	-1(1)	-1(1)	2(1)
C(4)	32(1)	25(1)	33(1)	-1(1)	4(1)	2(1)
C(5)	33(1)	24(1)	36(1)	-2(1)	2(1)	0(1)
C(6)	31(1)	21(1)	30(1)	-2(1)	1(1)	2(1)
C(7)	35(1)	39(1)	33(1)	6(1)	3(1)	-3(1)
C(8)	60(2)	76(2)	36(1)	14(1)	4(1)	-20(2)
C(9)	45(2)	75(2)	44(1)	11(1)	9(1)	-3(1)
C(10)	74(2)	39(1)	67(2)	15(1)	18(2)	-2(1)
C(11)	39(1)	23(1)	30(1)	5(1)	5(1)	0(1)
C(12)	37(1)	42(1)	38(1)	-2(1)	3(1)	1(1)
C(13)	52(2)	44(1)	43(1)	-14(1)	6(1)	-1(1)
C(14)	50(2)	36(1)	48(1)	-4(1)	14(1)	7(1)
C(15)	39(2)	57(2)	56(2)	-12(1)	5(1)	8(1)
C(16)	41(2)	52(2)	43(1)	-13(1)	3(1)	3(1)
C(21)	35(1)	25(1)	35(1)	2(1)	4(1)	-1(1)
C(22)	52(2)	34(1)	39(1)	5(1)	11(1)	4(1)
C(23)	64(2)	44(2)	50(2)	20(1)	15(1)	8(1)
C(24)	65(2)	32(1)	72(2)	16(1)	15(1)	10(1)
C(25)	73(2)	36(1)	58(2)	-2(1)	10(1)	15(1)
C(26)	60(2)	36(1)	36(1)	3(1)	6(1)	5(1)
C(31)	31(1)	38(1)	48(1)	6(1)	0(1)	-6(1)
C(32)	37(2)	51(2)	87(2)	5(1)	5(1)	5(1)
C(33)	50(2)	114(3)	55(2)	-14(2)	-11(1)	-17(2)
C(34)	42(1)	29(1)	39(1)	-3(1)	3(1)	2(1)
C(35)	63(2)	30(1)	74(2)	1(1)	8(1)	-7(1)
C(36)	60(2)	59(2)	40(1)	-6(1)	7(1)	12(1)
C(41)	55(2)	39(1)	30(1)	-6(1)	-4(1)	-4(1)
C(42)	72(2)	65(2)	52(2)	-23(1)	6(1)	3(2)
C(43)	52(2)	85(2)	71(2)	-33(2)	-8(1)	-7(2)
C(44)	39(2)	34(1)	68(2)	-5(1)	-4(1)	8(1)
C(45)	80(2)	61(2)	102(2)	31(2)	-5(2)	13(2)
C(46)	60(2)	73(2)	97(2)	-28(2)	7(2)	16(2)

Table 4b. Hydrogen coordinates (x 10^4) and isotropic displacement parameters (A^2 x 10^3) **for 6.**

	x	y	z	U(eq)
H(3A)	5583	7537	1438	38
H(5A)	8332	8299	2606	37
H(8A)	6905	7673	710	86
H(8B)	7179	8585	459	86
H(8C)	6046	8436	759	86
H(9A)	9188	8542	1778	82
H(9B)	9019	8664	1058	82
H(9C)	8890	7749	1343	82
H(10A)	7737	9642	1912	89
H(10B)	6481	9567	1569	89
H(10C)	7500	9809	1198	89
H(12A)	5681	7542	4688	47
H(13A)	4431	8344	5182	56
H(14A)	2518	8459	4785	53
H(15A)	1854	7725	3890	61
H(16A)	3090	6875	3413	55
H(22A)	5690	5498	4689	49
H(23A)	6320	4152	5021	62
H(24A)	7015	3207	4340	67
H(25A)	7117	3624	3332	66
H(26A)	6519	4982	3009	53
H(31A)	2067	6073	2232	47
H(32A)	1596	7422	2606	88
H(32B)	551	7026	2179	88
H(32C)	1298	7749	1925	88
H(33A)	1041	6094	1250	112
H(33B)	2351	5973	1187	112
H(33C)	1770	6875	1063	112
H(34A)	5974	5277	2015	44
H(35A)	4730	4227	2306	84
H(35B)	5497	3812	1845	84
H(35C)	4222	4076	1614	84
H(36A)	5839	5756	995	80
H(36B)	4929	5041	784	80
H(36C)	6208	4786	1012	80
H(41A)	8409	8069	4939	50
H(42A)	6926	9077	4889	95
H(42B)	7734	9783	4664	95
H(42C)	7981	9416	5337	95
H(43A)	10113	8361	4571	106
H(43B)	9988	9022	5102	106
H(43C)	9730	9308	4409	106
H(44A)	8618	5915	3501	58
H(45A)	9226	5068	4347	124
H(45B)	8372	5772	4531	124
H(45C)	9701	5881	4721	124
H(46A)	10496	5478	3495	116
H(46B)	10941	6249	3923	116
H(46C)	10372	6422	3244	116

Table 5b. Torsion angles [deg] **for 6**.

O(1')-P(1)-O(1)-Si(1)	-111.26(10)
O(1")-P(1)-O(1)-Si(1)	129.43(9)
C(2)-P(1)-O(1)-Si(1)	7.52(12)
C(21)-Si(1)-O(1)-P(1)	-131.63(11)
C(11)-Si(1)-O(1)-P(1)	108.37(10)
C(1)-Si(1)-O(1)-P(1)	-8.93(10)
O(2)-Si(1)-O(1)-P(1)	-35.0(4)
O(1)-P(1)-O(1')-C(31)	-66.47(16)
O(1")-P(1)-O(1')-C(31)	58.29(16)
C(2)-P(1)-O(1')-C(31)	178.78(14)
O(1)-P(1)-O(1")-C(34)	-63.62(16)
O(1')-P(1)-O(1")-C(34)	171.20(14)
C(2)-P(1)-O(1")-C(34)	52.66(17)
O(2')-P(2)-O(2)-Si(1)	118.95(9)
O(2")-P(2)-O(2)-Si(1)	-121.84(9)
C(6)-P(2)-O(2)-Si(1)	2.48(12)
C(21)-Si(1)-O(2)-P(2)	121.22(11)
C(11)-Si(1)-O(2)-P(2)	-119.11(10)
C(1)-Si(1)-O(2)-P(2)	-1.69(10)
O(1)-Si(1)-O(2)-P(2)	24.4(4)
O(2)-P(2)-O(2')-C(41)	67.78(17)
O(2")-P(2)-O(2')-C(41)	-55.47(17)
C(6)-P(2)-O(2')-C(41)	-178.48(16)
O(2)-P(2)-O(2")-C(44)	46.30(17)
O(2')-P(2)-O(2")-C(44)	171.21(15)
C(6)-P(2)-O(2")-C(44)	-70.87(17)
C(21)-Si(1)-C(1)-C(2)	97.05(18)
C(11)-Si(1)-C(1)-C(2)	-85.92(18)
O(1)-Si(1)-C(1)-C(2)	7.90(16)
O(2)-Si(1)-C(1)-C(2)	-176.66(16)
C(21)-Si(1)-C(1)-C(6)	-86.32(18)
C(11)-Si(1)-C(1)-C(6)	90.71(18)
O(1)-Si(1)-C(1)-C(6)	-175.47(17)
O(2)-Si(1)-C(1)-C(6)	-0.03(16)
C(6)-C(1)-C(2)-C(3)	-0.9(3)
Si(1)-C(1)-C(2)-C(3)	175.88(15)
C(6)-C(1)-C(2)-P(1)	177.98(14)
Si(1)-C(1)-C(2)-P(1)	-5.2(2)
O(1)-P(1)-C(2)-C(3)	177.36(18)
O(1')-P(1)-C(2)-C(3)	-60.5(2)
O(1")-P(1)-C(2)-C(3)	54.6(2)
O(1)-P(1)-C(2)-C(1)	-1.44(16)
O(1')-P(1)-C(2)-C(1)	120.67(14)
O(1")-P(1)-C(2)-C(1)	-124.24(14)
C(1)-C(2)-C(3)-C(4)	1.6(3)
P(1)-C(2)-C(3)-C(4)	-177.11(16)
C(2)-C(3)-C(4)-C(5)	-1.3(3)
C(2)-C(3)-C(4)-C(7)	-178.89(19)
C(3)-C(4)-C(5)-C(6)	0.4(3)
C(7)-C(4)-C(5)-C(6)	178.07(18)
C(4)-C(5)-C(6)-C(1)	0.2(3)
C(4)-C(5)-C(6)-P(2)	-177.48(15)
C(2)-C(1)-C(6)-C(5)	0.0(3)
Si(1)-C(1)-C(6)-C(5)	-176.70(15)
C(2)-C(1)-C(6)-P(2)	178.11(15)
Si(1)-C(1)-C(6)-P(2)	1.4(2)
O(2)-P(2)-C(6)-C(5)	175.63(18)
O(2')-P(2)-C(6)-C(5)	54.2(2)
O(2")-P(2)-C(6)-C(5)	-62.1(2)
O(2)-P(2)-C(6)-C(1)	-2.26(16)
O(2')-P(2)-C(6)-C(1)	-123.69(14)
O(2")-P(2)-C(6)-C(1)	119.99(14)
C(3)-C(4)-C(7)-C(9)	-134.5(2)
C(5)-C(4)-C(7)-C(9)	48.0(3)

C(3)-C(4)-C(7)-C(10) 105.1(2)

Table 5b. Torsion angles [deg] **for 6**. (continued)

C(5)-C(4)-C(7)-C(10)	-72.5(2)
C(3)-C(4)-C(7)-C(8)	-14.4(3)
C(5)-C(4)-C(7)-C(8)	168.0(2)
C(21)-Si(1)-C(11)-C(16)	-99.18(19)
C(1)-Si(1)-C(11)-C(16)	83.7(2)
O(1)-Si(1)-C(11)-C(16)	-4.14(19)
O(2)-Si(1)-C(11)-C(16)	169.67(18)
C(21)-Si(1)-C(11)-C(12)	83.02(19)
C(1)-Si(1)-C(11)-C(12)	-94.11(18)
O(1)-Si(1)-C(11)-C(12)	178.06(16)
O(2)-Si(1)-C(11)-C(12)	-8.13(17)
C(16)-C(11)-C(12)-C(13)	-1.1(3)
Si(1)-C(11)-C(12)-C(13)	176.82(17)
C(11)-C(12)-C(13)-C(14)	-0.6(4)
C(12)-C(13)-C(14)-C(15)	1.0(4)
C(13)-C(14)-C(15)-C(16)	0.3(4)
C(14)-C(15)-C(16)-C(11)	-2.1(4)
C(12)-C(11)-C(16)-C(15)	2.5(3)
Si(1)-C(11)-C(16)-C(15)	-175.44(18)
C(11)-Si(1)-C(21)-C(26)	159.19(18)
C(1)-Si(1)-C(21)-C(26)	-23.8(2)
O(1)-Si(1)-C(21)-C(26)	61.98(19)
O(2)-Si(1)-C(21)-C(26)	-107.70(19)
C(11)-Si(1)-C(21)-C(22)	-25.1(2)
C(1)-Si(1)-C(21)-C(22)	151.89(17)
O(1)-Si(1)-C(21)-C(22)	-122.29(18)
O(2)-Si(1)-C(21)-C(22)	68.03(18)
C(26)-C(21)-C(22)-C(23)	-0.7(3)
Si(1)-C(21)-C(22)-C(23)	-176.67(19)
C(21)-C(22)-C(23)-C(24)	-0.4(4)
C(22)-C(23)-C(24)-C(25)	0.8(4)
C(23)-C(24)-C(25)-C(26)	-0.1(4)
C(22)-C(21)-C(26)-C(25)	1.4(3)
Si(1)-C(21)-C(26)-C(25)	177.3(2)
C(24)-C(25)-C(26)-C(21)	-1.0(4)
P(1)-O(1')-C(31)-C(32)	143.33(16)
P(1)-O(1')-C(31)-C(33)	-94.8(2)
P(1)-O(1")-C(34)-C(36)	-126.38(16)
P(1)-O(1")-C(34)-C(35)	111.52(18)
P(2)-O(2')-C(41)-C(43)	100.9(2)
P(2)-O(2')-C(41)-C(42)	-136.38(17)
P(2)-O(2")-C(44)-C(45)	-91.2(2)
P(2)-O(2")-C(44)-C(46)	145.70(17)

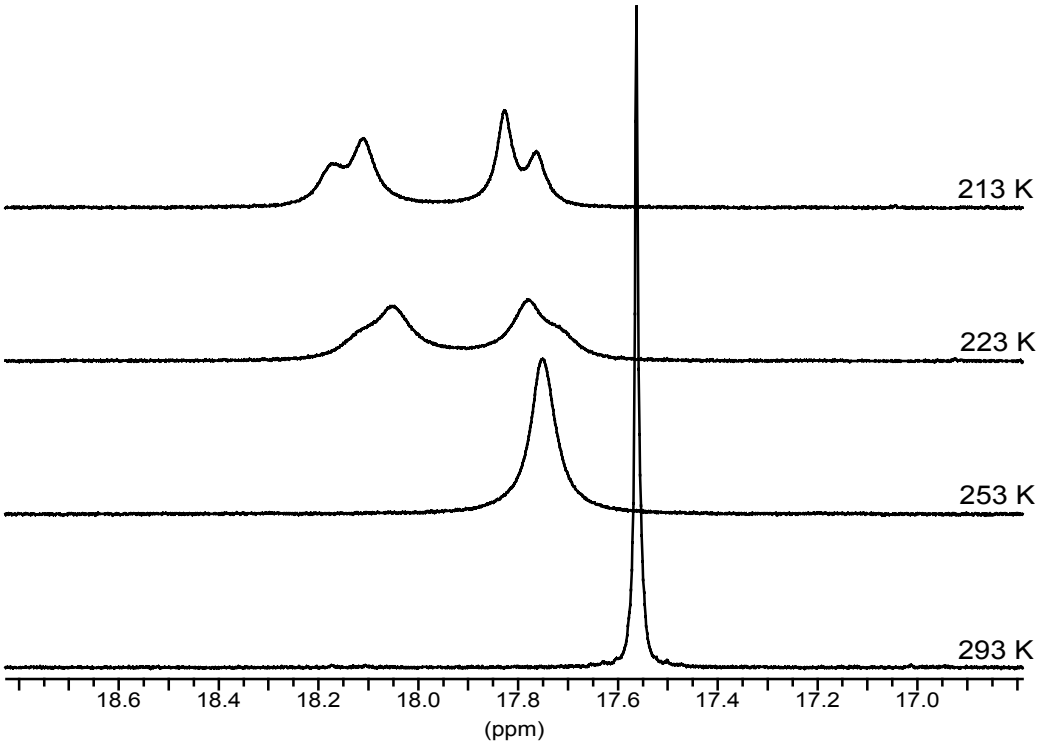

Figure S1 Variable temperature ^{31}P NMR (161.98 MHz, CD_2Cl_2) spectra of compound **5**.

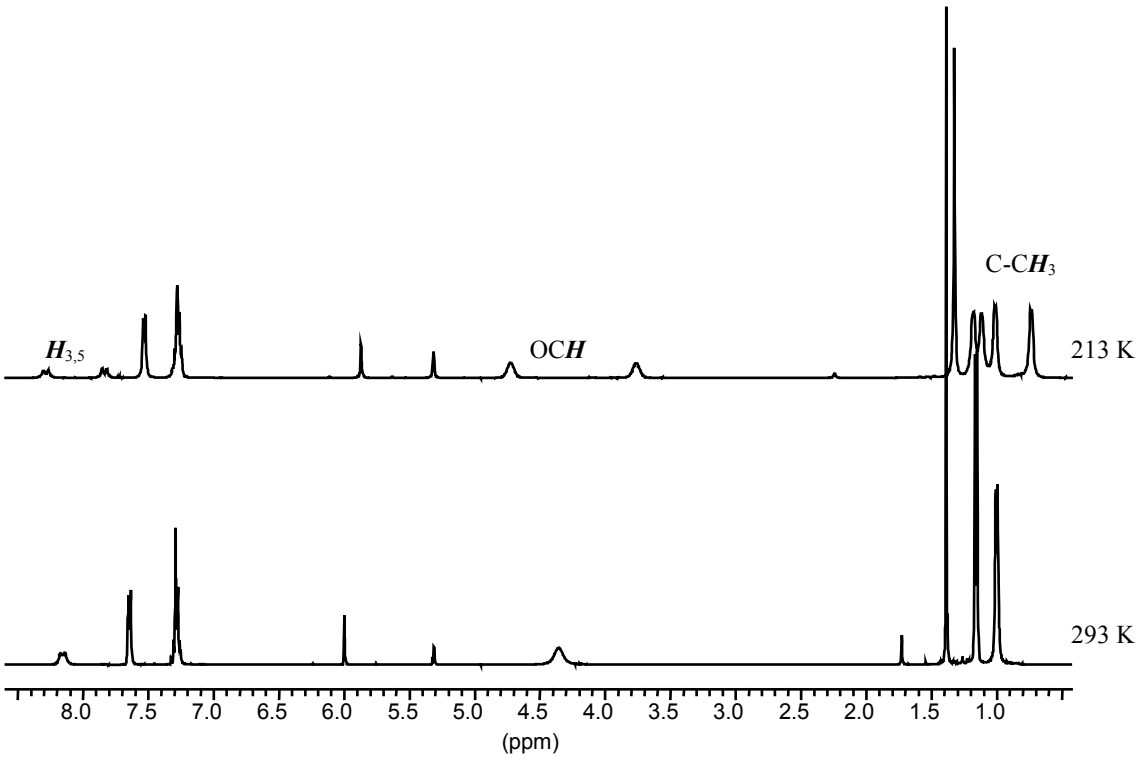

Figure S2: Variable temperature ^{1}H NMR (400.13 MHz, CD_2Cl_2) spectra of compound **5**.