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Atomic Coordinates ($x10^4$) and Equivalent Isotropic Displacement Coefficients ($Å^2x10^3$).

Atom	X	Y	Z	U_{eq}
Al(1)	188 (1)	2897 (1)	1652 (1)	42 (1)
P(2)	0	1510 (1)	2500	39 (1)
P(3)	0	4300 (1)	2500	42 (1)
Si(2)	991 (1)	436 (1)	2891 (1)	52 (1)
Si(3)	-945 (1)	5407 (1)	1953 (1)	60 (1)
C(1)	-613 (3)	2987 (4)	729 (2)	56 (2)
C(2)	-807 (3)	2008 (4)	235 (3)	69 (2)
C(3)	-208 (4)	1568 (6)	-13 (4)	109 (3)
C(4)	-1480 (4)	2203 (6)	-406 (3)	123 (4)
C(5)	1201 (3)	2781 (4)	1581 (3)	58 (2)
C(6)	1382 (3)	3351 (5)	953 (3)	70 (2)
C(7)	1317 (4)	4538 (5)	1011 (3)	102 (3)
C(8)	2137 (4)	3048 (7)	892 (4)	122 (4)
C(21)	1798 (3)	1286 (4)	3344 (3)	69 (2)
C(22)	838 (3)	-609 (4)	3528 (3)	75 (2)
C(23)	1178 (3)	-270 (4)	2114 (3)	73 (2)
C(31)	-1818 (3)	4655 (5)	1697 (3)	80 (2)
C(32)	-1019 (4)	6543 (4)	2557 (3)	90 (3)
C(33)	-789 (4)	5987 (5)	1111 (3)	86 (3)

Bond Distances (Å) and Angles (deg) for $[Bu^{i}_{2}AlP(SiMe_3)_2]_2$.

Al(1)-P(2)	2.469 (2)	Al(1A)-P(2)	2.469 (2)
Al(1)-P(3)	2.483 (2)	Al(1A)-P(3)	2.483 (2)
Al(1)-C(1)	1.976 (4)	Al(1)-C(5)	1.978 (5)
Al(1)•••Al(1A)	3.532	P(2)•••P(3)	3.471
P(2)-Si(2)	2.255 (2)	P(3)-Si(3)	2.267 (2)
P(2)-Si(2A)	2.255 (2)	P(3)-Si(3A)	2.267(2)
Si(2)-C(21)	1.859 (5)	Si(3)-C(31)	1.845 (6)
Si(2)-C(22)	1.865 (6)	Si(3)-C(32)	1.859 (7)
Si(2)-C(23)	1.853 (6)	Si(3)-C(33)	1.872 (7)
C(1)-C(2)	1.521 (7)	C(5)-C(6)	1.522 (8)
C(2)-C(3)	1.464 (10)	C(6)-C(7)	1.489 (9)
C(2)-C(4)	1.516 (8)	C(6)-C(8)	1.522 (9)
P(2)-Al(1)-P(3)	89.0(1)	P(2)-Al(1)-C(1)	114.2(2)
P(3)-Al(1)-C(1)	109.2(2)	P(2)-Al(1)-C(5)	109.0(2)
P(3)-Al(1)-C(5)	115.2(1)	C(1)-Al(1)-C(5)	117.1(2)
Al(1)-P(2)-Si(2)	111.5(1)	Al(1)-P(2)-Al(1A)	91.3(1)
Si(2)-P(2)-Al(1A)	117.5(1)	Al(1)-P(2)-Si(2A)	117.5(1)
Si(2)-P(2)-Si(2A)	107.3(1)	Al(1A)-P(2)-Si(2A)	111.5(1)
Al(1)-P(3)-Si(3)	111.6(1)	Al(1)-P(3)-Al(1A)	90.7(1)
Si(3)-P(3)-Al(1A)	119.1(1)	Al(1)-P(3)-Si(3A)	119.1(1)

Si(3)-P(3)-Si(3A)	105.2(1)	Al(1A)-P(3)-Si(3A)	111.6(1)
P(2)-Si(2)-C(21)	108.4(2)	P(2)-Si(2)-C(22)	110.9(2)
C(21)-Si(2)-C(22)	110.8(2)	P(2)-Si(2)-C(23)	110.5(2)
C(21)-Si(2)-C(23)	108.7(3)	C(22)-Si(2)-C(23)	107.5(3)
P(3)-Si(3)-C(31)	110.3(2)	P(3)-Si(3)-C(32)	111.5(2)
C(31)-Si(3)-C(32)	109.0(3)	P(3)-Si(3)-C(33)	109.3(2)
C(31)-Si(3)-C(33)	108.8(3)	C(32)-Si(3)-C(33)	107.8(3)
Al(1)-C(1)-C(2)	119.9(3)	C(1)-C(2)-C(3)	115.5(5)
C(1)-C(2)-C(4)	111.9(5)	C(3)-C(2)-C(4)	110.4(5)
Al(1)-C(5)-C(6)	118.0(3)	C(5)-C(6)-C(7)	111.1(5)
C(5)-C(6)-C(8)	112.4(5)	C(7)-C(6)-C(8)	110.6(6)

Anisotropic displacement coefficients (A^2x10^3) for $[Bu^i_2AlP(SiMe_3)_2]_2$.

	U(1,1)	U(2,2)	U(3,3)	U(1,2)	U(1,3)	U(2,3)
Al(1)	48(1)	45(1)	35(1)	-2(1)	16(1)	-1(1)
P(2)	40(1)	35(1)	46(1)	0	18(1)	0
P(3)	56(1)	36(1)	35(1)	0	13(1)	0
Si(2)	52(1)	47(1)	61(1)	10(1)	24(1)	6(1)
Si(3)	81(1)	48(1)	49(1)	17(1)	15(1)	9(1)
C(1)	67(3)	57(3)	44(3)	2(2)	14(2)	-3(2)
C(2)	82(4)	72(4)	51(3)	-4(3)	15(3)	-12(3)
C(3)	107(5)	118(6)	94(5)	-2(4)	19(4)	-50(5)
C(4)	109(6)	157(8)	80(5)	9(5)	-11(4)	-55(5)
C(5)	59(3)	69(3)	52(3)	-1(2)	25(2)	7(2)
C(6)	62(3)	91(4)	64(3)	-14(3)	29(3)	12(3)
C(7)	125(6)	98(5)	92(5)	-37(4)	45(4)	12(4)
C(8)	86(5)	184(8)	125(6)	2(5)	74(5)	41(5)
C(21)	49(3)	80(4)	77(4)	13(3)	17(3)	9(3)
C(22)	82(4)	67(4)	86(4)	21(3)	38(3)	25(3)
C(23)	73(3)	69(3)	89(4)	17(3)	43(3)	-10(3)
C(31)	71(4)	86(4)	81(4)	16(3)	17(3)	9(3)
C(32)	137(6)	61(4)	79(4)	35(4)	42(4)	9(3)
C(33)	120(5)	73(4)	56(3)	14(3)	13(3)	17(3)