The β-dialdiminato ligand [{N(C$_6$H$_3$Pr$^i_2$-2,6)C(H)}$_2$CPh]$^-$: the conjugate acid and Li, Al, Ga, and In derivatives

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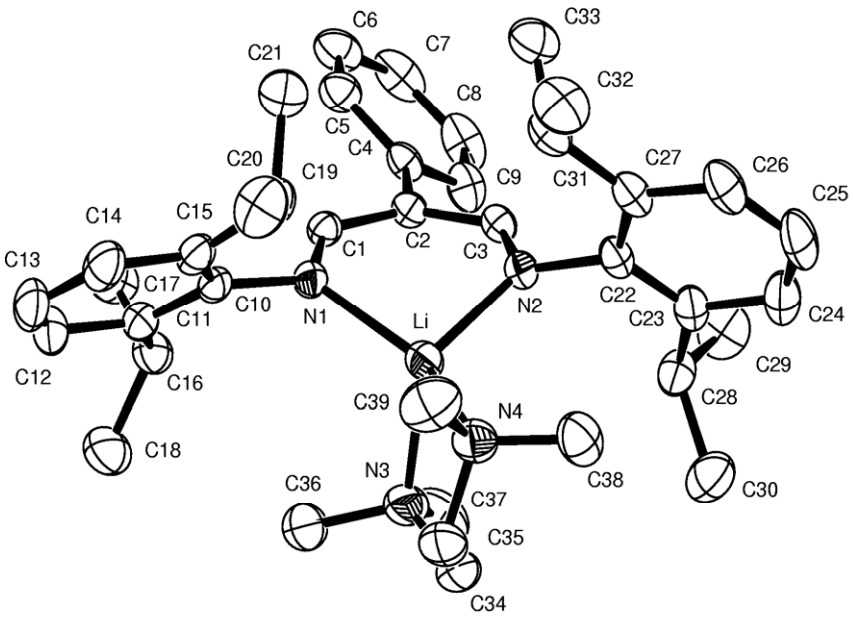

Fig. 1-SUP The molecular structure of **3** (50% probability ellipsoids)

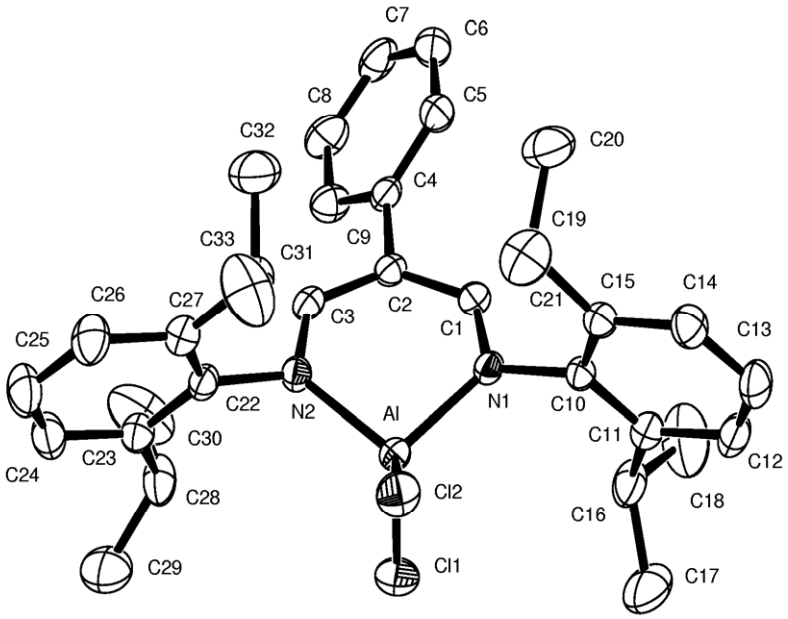

Fig. 2-SUP The molecular structure of **4** (50% probability ellipsoids)

Table 1-SUP. Selected bond lengths (Å) and angles (°) for **11b** and **11c**

	11b	**11c**		**11b**	**11c**
In-N1	2.182(3)	2.167(2)	C1-C2	1.390(6)	1.403(4)
In-N2	2.179(3)	2.162(2)	C2-C3	1.399(6)	1.396(4)
N1-C1	1.324(5)	1.318(3)	C2-C4	1.489(6)	1.492(3)
N2-C3	1.321(5)	1.318(3)	In-Cl	2.3983(11)	2.4004(7)
N1-C10	1.449(5)	1.447(3)	In-In'	2.8290(6)	2.7502(3)
N2-C22	1.452(5)	1.448(3)			
N1-In-N2	87.39(12)	85.92(8)	N1-In-Cl	102.40(9)	101.01(6)
In-N1-C1	124.3(3)	120.21(16)	N2-In-Cl	104.57(9)	101.47(6)
In-N2-C3	124.4(2)	120.35(16)	N1-In-In'	124.75(9)	126.52(5)
C1-C2-C3	124.5(4)	123.2(2)	N2-In-In'	124.05(9)	124.44(5)
In-N1-C10	122.3(2)	122.05(15)	C1-C2-C4	117.5(4)	118.8(2)
In-N2-C22	122.2(2)	122.50(16)	C3-C2-C4	117.9(4)	117.5(2)
N1-C1-C2	129.6(4)	128.3(2)	Cl-In-In’	109.80(3)	112.08(2)
N2-C3-C2	129.4(4)	128.5(2)			

Symmetry transformations to generate equivalents atoms:

11b: ' $-x + 1, -y + 1, -z + 1$; **11c**: ' $-x, -y + 2, -z$