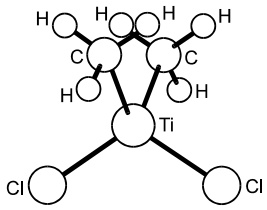
297 **$C_2H_6Cl_2Ti$** **Dichlorodimethyltitanium** **C_{2v}** assumed
ED Dimethyltitanium dichloride $(CH_3)_2TiCl_2$

r_a	Å [a])	θ_α	deg [a])
C–H	1.111(4)	Ti–C–H	108.1(10)
Ti–C	2.058(4)	C–Ti–C	102.8(9)
Ti–Cl	2.196(3)	Cl–Ti–C	108.9(2)
		Cl–Ti–Cl	117.3(3)



Local C_{3v} symmetry was assumed for the Ti–CH_3 groups.
Staggered conformations were assumed for the methyl groups.
The nozzle was at room temperature.
The experimental structure parameters were well reproduced by DFT calculations with a triple-ζ basis.

[a]) Twice the estimated standard errors including a systematic error.

McGrady, G.S., Downs, A.J., McKean, D.C., Haaland, A., Scherer, W., Verne, H.-P., Volden, H.V.: Inorg. Chem. **35** (1996) 4713.