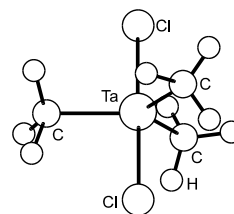


**448**      **C<sub>3</sub>H<sub>3</sub>Cl<sub>2</sub>Ta**      **Dichlorotrimethyltantalum(V)**      **D<sub>3h</sub>** (without H atoms) assumed  
 ED      Trimethyltantalum dichloride      Cl<sub>2</sub>Ta(CH<sub>3</sub>)<sub>3</sub>

$r_a$	Å <sup>a)</sup>	$\theta_a$	deg <sup>a)</sup>
Ta-Cl	2.317(3)	Ta-C-H	105.1(9)
Ta-C	2.158(5)		
C-H	1.098(7)		

TaCH<sub>3</sub> fragments were assumed to have local C<sub>3v</sub> symmetry and methyl groups were oriented as indicated in the figure.

The nozzle temperature was about 25 °C.



<sup>a)</sup> Twice the estimated standard errors including a systematic error.

Haaland, A., Verne, H.P., Volden, H.V., Pulham, C.R.: J. Mol. Struct. **376** (1996) 151.