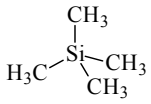
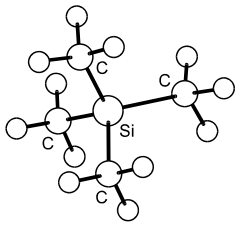
611 **$C_4H_{12}Si$** **Tetramethylsilane** **T_d**

ED, *ab initio* and DFT calculations



r_g	Å [a])	θ_a	deg [a])
Si–C	1.877(4)	Si–C–H	111.0(2)
C–H	1.110(3)		

The methyl groups were found to have staggered conformations with respect to the Si–C bonds. The barrier to internal rotation, determined to be 5.7(2) kJ mol^{-1}, is consistent with those from other experiments and theoretical calculations.
The nozzle temperature was 303 K.



[a]) Estimated total errors.

Campanelli, A.R., Ramondo, F., Domenicano, A., Hargittai, I.: Struct. Chem. **11** (2000) 155.
II/25C (**3**, 1859)