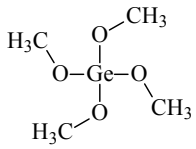
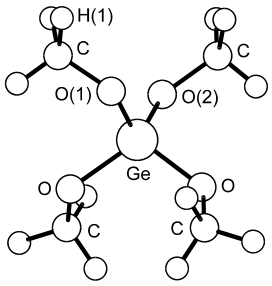
604 **$C_4H_{12}GeO_4$** **Tetramethoxygermane** **S_4** assumed

ED, *ab initio* calculations



r_g	Å [a])	θ_α	deg [a])
Ge–O	1.743(3)	O(1)–Ge–O(2)	110.1(19)
C–O	1.413(5)	Ge–O–C	122.7(8)
C–H [b])	1.075(13)	O–C–H [b])	109.9(24)
		τ_1 [c])	72 [d])
		τ_2 [e])	176 [d])

The dynamic model with S_4 symmetry was used in the ED analysis. Differences in the geometric parameters of pseudoconformers were assumed at the values from HF/6-311G(d) calculations. According to results of *ab initio* calculations, the S_4 conformer is *ca*. 3 kcal mol^{-1} lower in energy than the D_{2d} conformer. The nozzle temperature was *ca*. 30 °C.



[a]) Twice the estimated standard errors including a systematic error.
[b]) Average value.
[c]) Torsional angle C–O(1)–Ge–O(2), $\tau_1 = 0°$ for the *syn* position.
[d]) Assumed at the value from HF/6-311G(d) calculations.
[e]) Torsional angle H(1)–C–O(1)–Ge, $\tau_2 = 0°$ for the *syn* position.

Aarset, K., Brady, F.J., Page, E.M., Rice, D.A.: J. Mol. Struct. **522** (2000) 125.