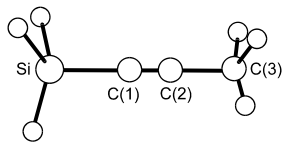
412 **C_3H_6Si** **1-Propynylsilane** (see comment)
ED, *ab initio* calculations
1-Silabut-2-yne

$H_3C—C\equiv C—SiH_3$

r_{h1} [a])	Å [b])
Si–C	1.814
C(1)≡C(2)	1.231
C(2)–C(3)	1.455
Si–H	1.534
C–H	1.065



The r_a parameters from a previous ED study [1] were converted to the r_{h1} values.
According to the results of RHF/6-311G** and MP2/6-311G** calculations, the energy difference between the staggered and eclipsed conformations is less than 20 cal mol^{-1}, being evidence of virtually free internal rotation.
The nozzle temperature was 298 K.

[a]) Harmonic corrections were calculated taking into account nonlinear kinematic effects.
[b]) Uncertainties were not estimated in the original paper.

Khaikin, L.S., Grikina, O.E., Sipachev, V.A., Traetteberg, M.: J. Mol. Struct. **567-568** (2001) 85.
[1] Cradock, S., Koprowski, J., Rankin, D.W.H.: J. Mol. Struct. **77** (1981) 113.

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