

1362
ED

C₃H₈Si

Silacyclobutane

C_s

| r_a | \AA^a | θ_a | deg^a |
|-------|----------------|------------|----------------|
| Si-C | 1.895(2) | C-Si-C | 80.76(45) |
| C-C | 1.607(6) | Si-C-C | 85.07(45) |
| Si-H | 1.496(18) | C-C-C | 99.65(45) |
| C-H | 1.143(9) | H-C-H | 113.2(63) |
| | | H-Si-H | 115.6(90) |
| | | ϕ^b | 33.6(21) |

The SiH₂ and CH₂ groups were assumed to have local C_{2v} symmetry.

The experimental data were taken from [1].

The temperature of the measurement was not stated.

^a) Three times the estimated standard errors.

^b) See figure.

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[1] Vilkov, L.V., Mastryukov, V.S., Baurova, Yu.V., Vdovin, V.M., Grinberg, P.L.: Dokl.

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See also: Vilkov, L.V., Mastryukov, V.S., Oppenheim, V.D., Tarasenko, N.A.: "Molecular

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