

1583
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C₄H₅ClO

Cyclopropanecarbonyl chloride

r_g	Å ^{a)}	θ ^{b) d)}	deg ^{a)}
C–H ^{c)}	1.105(60)	C–C=O	127.6(30)
C–C ^{c)}	1.506(2)	C–C–H ^{c)}	120.7(40)
C=O	1.197(25)	C–C–Cl	111.0(25)
C–Cl	1.797(9)	O=C–Cl	122.4(20)

The molecule exists as a mixture of the *s-cis* (85(15)%) and *s-trans* (15(15)%) conformers.

No quantitative estimates were made of the deviations from the *s-cis* and *s-trans* positions.

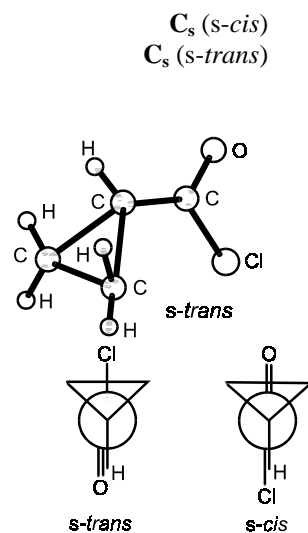
The measurements were made at room temperature.

^{a)} Estimated standard errors.

^{b)} Unidentified, possibly θ_a .

^{c)} Average value.

^{d)} Angles correspond essentially to the *s-cis* conformer.



Bartell, L.S., Guillory, J.P., Parks, A.T.: J. Chem. Phys. **69** (1965) 3043.