

1783
MW

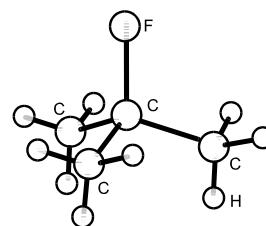
C₄H₉F

***t*-Butyl fluoride**
2-Fluoro-2-methylpropane

C_{3v}
FC(CH₃)₃

r_0	Å
C–F	1.43(3)
C–C	1.516(50)
C–H	1.090 ^{a)}

θ_0	deg
C–C–C	112.7(10)
H–C–H	107.9(20)



^{a)} Assumed.

Lide, D.R., Mann, D.E.: J. Chem. Phys. **29** (1958) 914.

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r_a	Å ^{a)}
C–F	1.425(24)
C–C	1.520(24)
C–H	1.09(2)

θ_a	deg ^{a)}
C–C–C	111.0(15)
H–C–H	107.2(15)
F–C–C	107.9(15)
C–C–H	111.6(15)

The temperature of the measurements was not given, possibly room temperature.

^{a)} Uncertainty estimates are three times those of the original data.

Haas, B., Haase, J., Zeil, W.: Z. Naturforsch. **22 a** (1967) 1646.

See also: Andersen, F., Rastrup Andersen, J., Bak, B., Bastiansen, O., Risberg, E., Smedvik, L.:
J. Chem. Phys. **21** (1953) 373.