

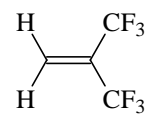
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C₄H₂F₆

1,1-Bis(trifluoromethyl)ethene

C_{2v} (without F atoms) assumed

r_a	Å ^{a)}	θ_a	deg ^{a)}
C–F	1.327(2)	F–C–C	110.5(2)
C–C	1.533(6)	C–C–C	123.6(3)
C=C	1.373(13)		
C–H	1.07(4)		



The CF₃ groups were assumed to have C_{3v} local symmetry.
The measurements were made at room temperature.

^{a)} Three times the estimated standard errors.

Hilderbrandt, R.L., Andreassen, A.L., Bauer, S.H.: J. Phys. Chem. **74** (1970) 1586.