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C₃H₂F₆

1,1,1,3,3,3-Hexafluoropropane

C_{2v}
F₃C-CH₂-CF₃

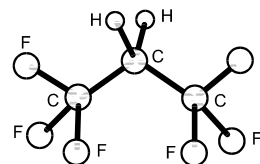
r_a	Å ^{a)}	θ_α	deg ^{a)}
C-H	1.082(18)	C-C-C	113.9(6)
C-F	1.333(2)	F-C-F	107.7(1)
C-C	1.518(4)	H-C-H	108.7 ^{b)}
		tilt (CF ₃) ^{c)}	1.8(8)

The nozzle was at room temperature.

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

^{b)} Assumed.

^{c)} Tilt angle of the CF₃ groups away from each other.



Mack, H.-G., Oberhammer, H., Grosser, M., Dakkouri, M.: J. Mol. Struct. **268** (1992) 135.