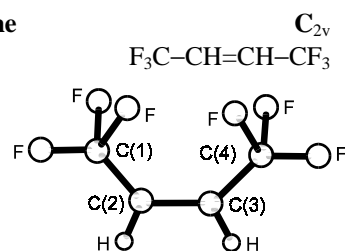


1506
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C₄H₂F₆

(Z)-1,1,1,4,4,4-Hexafluoro-2-butene

r_g	Å ^{a)}	θ_a	deg ^{a)}
C(2)=C(3)	1.310(16)	C=C-C	126.0(5)
C(1)-C(2)	1.492(5)	F-C-F	107.2(2)
C-F	1.343(2)	C=C-H	118.9(87)
C-H	1.079(42)	tilt (CF ₃) ^{b)}	1.2(13)



The staggered conformation of the CF₃ groups with respect to the C(2)=C(3) bond is most probable.

The nozzle temperature was 10 °C.

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

^{b)} Away from double bond.

Bürger, H., Pawelke, G., Oberhammer, H.: J. Mol. Struct. **84** (1982) 49.