

1507
ED

C₄H₂F₆

(*E*)-1,1,1,4,4,4-Hexafluoro-2-butene

r_g	Å ^{a)}	θ_a	deg ^{a)}
C(2)=C(3)	1.296(20)	C=C-C	125.1(16)
C(1)-C(2)	1.481(5)	F-C-F	106.9(2)
C-F	1.344(2)	C=C-H	120.4(76)
C-H	1.098(33)	tilt (CF ₃) ^{b)}	1.5(11)

One C-F bond of each CF₃ group is eclipsed with respect to the C(2)=C(3) bond.

The nozzle temperature was 10 °C.

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

^{b)} Away from the double bond.

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

