

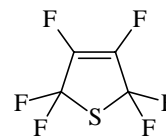
1475
ED

C₄F₆S

Hexafluoro-2,5-dihydrothiophene
Perfluoro-3-thiolene

C_{2v}

r_g	Å ^{a)}	θ ^{b)}	deg ^{a)}
C–S	1.809(4)	C–S–C	93.0(3)
C=C	1.382(14)	S–C–C	108.2(4)
C–C	1.456(5)	C–C–C	115.3(6)
C–F(CF ₂)	1.336(2)	F–C–F	107.8(5)
F–C(=)	1.309(8)	S–C–F	110.4(3)
		C=C–F	123.0(6)



The experimental data are compatible with a planar ring structure.
The nozzle temperature was 305 K.

^{a)} Estimated standard errors including a systematic error.

^{b)} Unidentified, possibly θ_a .

Beagley, B., Jones, M.O., Pritchard, R.G., Trickett-Bell, E.A.: J. Mol. Struct. **157** (1987) 305.