

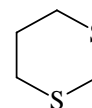
1770
MW

C₄H₈S₂

1,3-Dithiane

C_s (chair form)

r_0	Å ^{a)}	θ_0	deg ^{a)}
C–C	1.533 ^{b)}	H–C–H	109.0 ^{b)}
C–S	1.812 ^{b)}	C–C–C	113.6 ^{b)}
C–H	1.116 ^{b)}	S–C–S	114.1(20)
		C–S–C	98.7(20)
		S–C–C	113.2(26)



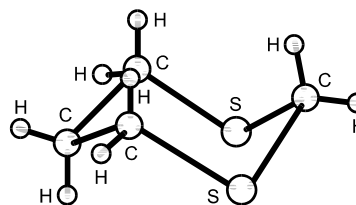
^{a)} Uncertainties were not estimated in the original paper.

^{b)} Assumed.

Alonso, J.L., Caminati, W., Cervellati, R.: J. Mol. Struct. **96** (1983) 225.

ED

r_g	Å ^{a)}	θ_α	deg ^{a)}
C–C	1.533(5)	H–C–H	104(4)
C–S	1.812(3)	C–C–C	113.6 ^{b)}
C–H	1.116(10)	S–C–S	115.0(3)
		C–S–C	98.1(7)
		S–C–C	114.9(4)
		S–C–S–C	61.4(9)



No statistically significant evidence was found for the presence of any conformer in the vapor other than the chair form, within an estimated uncertainty of 10%.

The measurements were made at 100 °C.

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

^{b)} Dependent parameter.

Adams, W.J., Bartell, L.S.: J. Mol. Struct. **37** (1977) 261.