

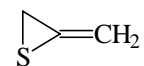
1176
MW

C₃H₄S

2-Methylenethiirane
Allene episulfide

C₁

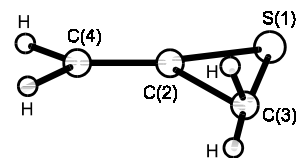
r_0	Å ^{a)}	θ_0	deg ^{a)}
C(2)–S	1.732(4)	C(2)–S–C(3)	47.8(2)
C(3)–S	1.849(2)	S–C(2)–C(3)	70.3(2)
C(2)–C(3)	1.454(10)	S–C(3)–C(2)	61.9(2)
C(2)=C(4)	1.333(4)	C(4)=C(2)–C(3)	146.2(6)
C(3)–H	1.084(2) ^{b)}	H–C(3)–H ^{b)}	116.4(2)
C(4)–H	1.081(2)	C(2)=C(4)–H	120.5(4)



H–C(3)–H plane is displaced from the S–C(3)–C(2) angle bisector plane by an angle of 7.2°.

^{a)} Uncertainties are about twice those of the original data.

^{b)} Symmetrical H–C(3)–H group assumed.



Block, E., Penn, R.E., Ennis, M.D., Owens, T.A., Yu, S.-L.: J. Am. Chem. Soc. **100** (1978) 7436.