


Structure Data of Free Polyatomic Molecules

276 MW	C₂H₄S	Ethylene sulfide Thiirane	C_{2v} 
	r_0 \AA^a	θ_0 deg^a	
	C–C 1.48396(5)	C–C–S ^{b)} 48.192	
	C–S 1.81740(4)	H–C–H 114.55(2)	
	C–H 1.08523(8)	φ^c 152.55(2)	

^{a)} Estimated standard errors.

^{b)} Dependent parameter.

^{c)} Angle between the HCH plane and the C–C bond.

Hirao, T., Okabayashi, T., Tanimoto, M.: J. Mol. Spectrosc. **208** (2001) 148.

[II/25B\(3, 782\)](#)