

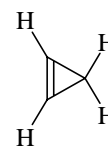
1131
MW

C₃H₄

Cyclopropene

C_{2v}

r_m^p ^{a)}	Å	θ_m^p ^{a)}	deg
C=C	1.2934(3)	H-C=C	149.95(6)
C-C	1.5051(3)	H-C-H	114.32(12)
C-H ^{b)}	1.0719(6)		
C-H ^{c)}	1.0853(8)		



^{a)} Multiple isotope substitution structure.

^{b)} =C-H.

^{c)} C-H in CH₂.

Berry, R.J., Harmony, M.D.: Struct. Chem. **1** (1990) 49.

r_s	Å ^{a)}	θ_s	deg ^{a)}
C=C	1.2959(10)	H-C=C	149.85(16)
C-C	1.509(2)	H-C-H	114.57(38)
C-H ^{b)}	1.072(2)	C-C-C	50.84(10)
C-H ^{c)}	1.088(4)		

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

^{b)} =C-H.

^{c)} C-H in CH₂.

Stigliani, W.M., Laurie, V.W., Li, J.C.: J. Chem. Phys. **62** (1975) 1890.