

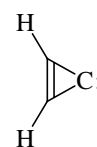
1049  
MW

**C<sub>3</sub>H<sub>2</sub>**

**Cyclopropenylidene**

**C<sub>2v</sub>**

$r_m^p$ <sup>a)</sup>	Å	$\theta_m^p$ <sup>a)</sup>	deg
C–C	1.4157(5)	H–C=C	148.89(22)
C=C	1.3240(6)		
C–H	1.0755(9)		



<sup>a)</sup> Multiple isotope substitution structure.

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

MW

$r_s$	Å <sup>a)</sup>	$\theta_s$	deg <sup>a)</sup>
C–C	1.4195(20)	C–C=C	55.607(200)
C=C	1.3242(20)	H–C=C	149.826(200)
C–H	1.0754(20)		

$r_m^b$	Å <sup>a)</sup>	$\theta_m^b$	deg <sup>a)</sup>
C–C	1.4171(20)	C–C=C	55.528(200)
C=C	1.3202(20)		

Atom	$a_s$ [Å]	$b_s$ [Å]	$a_m$ [Å]	$b_m$ [Å]
C(1)	0.00	0.88782	0.00	0.88677
C(2)	–0.66210	–0.36779	–0.66012	–0.36716
C(3)	0.66210	–0.36779	0.66012	–0.36716
H(1)	–1.59178	–0.82501		
H(2)	1.59178	–0.82501		

<sup>a)</sup> Uncertainties were not estimated in the original paper.

<sup>b)</sup> An approximate  $r_e$  structure derived by multiple isotopic substitution.

Bogey, M., Demuynck, C., Destombes, J.L., Dubus, H.: J. Mol. Spectrosc. **122** (1987) 313.