

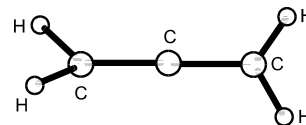
1130
ED, IR

C₃H₄

1,2-Propadiene
Allene

D_{2d}
H₂C=C=CH₂

[1]			
r_g	Å ^{a)}	θ_z	deg ^{a)}
C=C	1.3129(9)	H-C-H	118.3(3)
C-H	1.102(2)		
r_e		θ_e	
	Å ^{a)}		deg ^{a)}
C=C	1.3082(10)	H-C-H	118.2(5)
C-H	1.076(3)		



The measurements were made at room temperature [1].

The authors of [2] state that the value $r_e(\text{C-H})$ given in [1] is too low and that its real value is more probably near 1.081 Å than near 1.076 Å.

^{a)} Estimated limits of error.

[1] Ohshima, Y., Yamamoto, S., Nakata, M., Kuchitsu, K.: J. Phys. Chem. **91** (1987) 4696.

[2] Demaison, J., Włodarczak, G.: Struct. Chem. **5** (1994) 57.

MW

r_0	Å ^{a)}	θ_0	deg ^{a)}
C=C	1.3084(9)	H-C-H	118.17(50)
C-H	1.0872(39)		

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

Hirota, E., Matsumura, C.: J. Chem. Phys. **59** (1973) 3038.