

1048
MW

C₃H₂

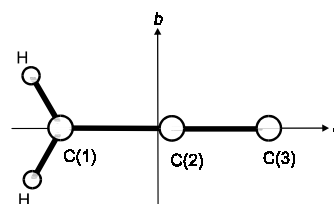
1,2-Propadienylidene

C_{2v}
H₂C=C=C:

r_0	Å	θ_0	deg
C(1)–H	1.098(7)	H–C–H	118.8(5)
C(1)=C(2)	1.324(3)		
C(2)=C(3)	1.291(3)		

r_s	Å	θ_0	deg
C(1)–H	1.084(4)	H–C–H	117.7(2)
C(1)=C(2)	1.326(3)		
C(2)=C(3)	1.287(3)		

r_e^a	Å	θ_e^a	deg
C(1)–H	1.083(1)	H–C–H	117.6(2)
C(1)=C(2)	1.3283(5)		
C(2)=C(3)	1.291(1)		



^a) *Ab initio* calculated vibration-rotation constants were combined with the experimental rotational constants to derive the r_e structure.

Gottlieb, C.A., Killian, T.C., Thaddeus, P., Botschwina, P., Flügge, J., Oswald, M.: J. Chem. Phys. **98** (1993) 4478.