

1615
MW

C₄H₆

Methylenecyclopropane

C_{2v}

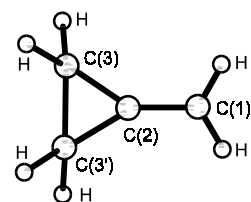
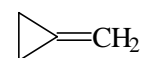
r_0	Å
C(3)–H	1.09(1)
C(1)–H	1.088 ^{a)}

θ_0	deg
H–C(1)–H	114.3(10)
H–C(3)–H	113.5(10)
α ^{b)}	29.2(10)

r_s	Å
C(1)=C(2)	1.3317(20)
C(2)–C(3)	1.4570(20)
C(3)–C(3')	1.5415(10)

θ_s	deg
C(3)–C(2)–C(3')	63.87(10)

Atom	a_s [Å]	b_s [Å]	c_s [Å]
C(1)	1.6275	0.0	0.0
H	2.217	±0.914	0.0
C(2)	0.2958	0.0	0.0
C(3)	–0.9407	±0.7707	0.0
H	–1.234	±1.292	±0.9117



^{a)} Assumed.

^{b)} Angle between the HC(3)H plane and the C(3)–C(3') bond.

Laurie, V.W., Stigliani, W.M.: J. Am. Chem. Soc. **92** (1970) 1485.