

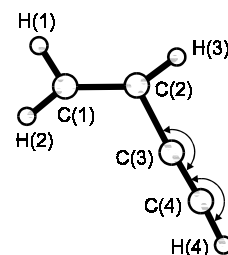
1532
ED, MW

C₄H₄

Vinylacetylene
1-Buten-3-yne

C_s assumed
H₂C=CH-C≡CH

r_g	Å ^{a)}	θ_α	deg ^{a)}
C(2)–C(3)	1.434(3)	C(1)=C(2)–C(3)	123.1(5)
C(1)=C(2)	1.344(4)	C(2)–C(3)≡C(4)	177.9(12)
C(3)≡C(4)	1.215(3)	H(1)–C(1)=C(2)	118.7(42)
C(1,2)–H ^{b)}	1.106(10)	H(2)–C(1)=C(2)	121.6(38)
C(4)–H	1.09(2)	H(3)–C(2)=C(1)	121.7(40)
		C(3)≡C(4)–H(4)	182.3(38)



The molecule is assumed to be planar.

The measurements were made at room temperature.

^{a)} Estimated limits of error.

^{b)} The average of the C–H vinyl distances.

Fukuyama, T., Kuchitsu, K., Morino, Y.: Bull. Chem. Soc. Jpn. **42** (1969) 379.