

1158
MW

C₃H₄O

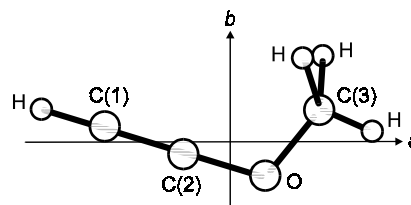
Methoxyethyne
Methoxyacetylene

C_s
H₃C–O–C≡CH

r_0	Å	θ_0	deg
C(1)–H	1.060 ^{a)}	C(2)–O–C(3)	113.4(15)
C(1)≡C(2)	1.210 ^{a)}	H–C(3)–H	109.5 ^{a)}
C(3)–H	1.100 ^{a)}	H–C(1)≡C(2)	180 ^{a)}
C(2)–O	1.313(20)	C(1)≡C(2)–O	180 ^{a)}
C(3)–O	1.434(20)		

Symmetry axis of the CH₃ group was assumed to be in coincidence with the O–C(3) bond direction.

^{a)} Assumed.



Den Engelsen, D., Dijkermann, H. A., Kerksen, J.: Rec. Trav. Chim. **84** (1965) 1357.
See also: Den Engelsen, D.: J. Mol. Spectrosc. **30** (1969) 466.