

1558
MW

C₄H₄O

2-Ethynyloxirane
3,4-Epoxy-1-butyne

C₁

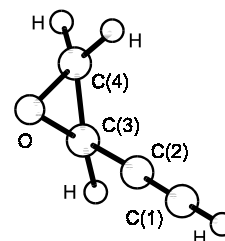
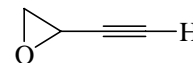
r_0	Å	θ_0	deg ^{a)}
C(3,4)–H	1.084 ^{a)}	H–C(4)–H	116.25 ^{a)}
C(1)–H	1.06 ^{a)}	C(2)–C(3)–H	116.25 ^{a)}
C(2)–C(3)	1.484(20)	φ_1 ^{b)}	158.1 ^{a)}
C(1)≡C(2)	1.186(20)	φ_2 ^{c)}	158.1 ^{a)}
C–O	1.432(20)	α ^{d)}	123.52(150)
C(3)–C(4)	1.438(20)		

^{a)} Assumed.

^{b)} Angle between the HC(4)H plane and the C(3)–C(4) bond.

^{c)} Angle between the C(2)C(3)H plane and the C(3)–C(4) bond.

^{d)} Angle between the plane of the ring and the acetylenic group.



Collins, M.J., Boggs, J.E.: J. Chem. Phys. **57** (1972) 3811.