

1664
MW

C₄H₆O₂

3,6-Dihydro-1,2-dioxin

C₂

r_0	Å ^{a)}	θ_0	deg ^{a)}
C(4)=C(5)	1.338 ^{b)}	C(3,6)–C=C	119.9(10)
C(3,6)–C	1.504 ^{b)}	C–C–O	110.3(10)
C–O	1.426 ^{b)}	C–O–O–C ^{c)}	38.3(30)
C(4,5)–H	1.09 ^{b)}		
C(3,6)–H	1.10 ^{b)}		

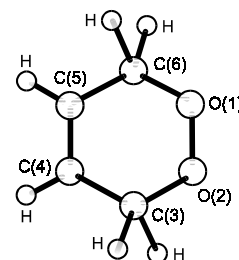


Assumptions: The four carbon atoms are in a plane. The olefinic H atoms lie on the bisector of the adjacent ring angle C(3,6)–C=C. H–C–H = 109.47°, sharing a common bisector with the adjacent ring angle C–C–O. All methylenic C–C–H angles are equal.

^{a)} Uncertainties were not estimated in the original paper.

^{b)} Assumed.

^{c)} Twist angle.



Kondo, T., Matsumoto, M., Tanimoto, M.: Tetrahedron Lett.
(1978) 3819.