

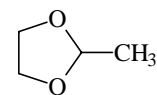
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C₄H₈O₂

2-Methyl-1,3-dioxolane

C_s

r_g	Å ^{a)}	θ_α	deg ^{a)}
C–H	1.102(9)	C–C–O	105.2(10)
C–C (average)	1.522(7)	O–C(2)–C(6)	110.9(10)
C–O (average)	1.422(2)	H–C(4,5)–H	118 ^{b)}
		φ ^{c)}	32.6(35)

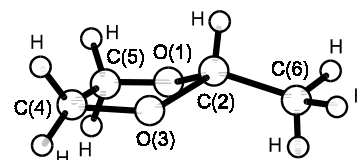


A rigid model with the methyl group in the equatorial position gave the best fit.
The measurements were made at room temperature.

^{a)} Three times the estimated standard errors including a systematic error.

^{b)} Assumed.

^{c)} Angle between the O(1)C(2)O(3) and O(3)O(1)C(4)C(5) planes.



Shen, Q., Mathers, T.L., Raeker, T., Hilderbrandt, R.L.: J. Am. Chem. Soc. **108** (1986) 6888.