

1652  
ED

**C<sub>4</sub>H<sub>6</sub>O**

**2,5-Dihydrofuran**

**C<sub>2v</sub>**

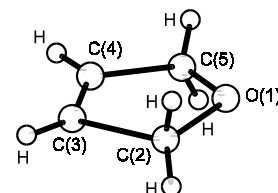
$r_g$	$\text{\AA}^a$	$\theta_\alpha$	$\text{deg}^a$
C(3)=C(4)	1.347(4)	C(2)–C(3)=C(4)	109.3(2)
C(2)–C(3)	1.502(3)	H–C–H	107.1(35)
C–O	1.440(2)	H–C(3)=C(4)	134.8(56)
C–H (average)	1.100(5)		



Ring-puckering motion was included in the analysis.  
The measurements were made at room temperature.

<sup>a</sup>) Three times the estimated standard errors.

Tamagawa, K., Hilderbrandt, R.L.: J. Am. Chem. Soc. **106** (1984) 20.



MW

$r_0$	$\text{\AA}^a$	$\theta_0$	$\text{deg}^a$
C(3)=C(4)	1.35(1)	C(2)–C(3)=C(4)	109.34(10)
C(2)–C(3)	1.50(1)	H–C(3)=C(4)	125.33(20)
C–O	1.43(1)	H–C(2)–C(3)	110.42(20)
C(2)–H	1.095(10)	C(2)–O–C(5)	110.00(10)
C(3)–H	1.085(10)	O–C(2)–C(3)	105.66(10)
		H–C(2)–O	110.42(20)

<sup>a</sup>) The uncertainties were not estimated in the original paper.

Lopez, J.C., Alonso, J.L., Wlodarczak, G., Demaison, J.: J. Mol. Spectrosc. **160** (1993) 158.