

1737
MW

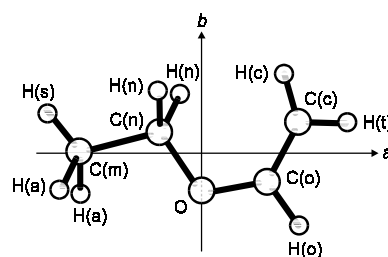
C₄H₈O

Ethyl vinyl ether

C_s (*trans-cis*)
H₂C=CH–O–CH₂–CH₃

r_0	Å	θ_0	deg
C(m)–C(n)	1.522(6)	C(m)–C(n)–O	107.43(30)
C(n)–O	1.415(4)	C(n)–O–C(o)	115.65(27)
O–C(o)	1.348(6)	O–C(o)=C(c)	128.28(30)
C(o)=C(c)	1.343(4)	C(n)–C(m)–H(s)	110.95(55)
C(m)–H(s)	1.088(8)	C(n)–C(m)–H(a)	110.32(38)
C(m)–H(a)	1.095(3)	H(a)–C(m)–H(a)	108.87(72)
C(n)–H(n)	1.104(4)	O–C(n)–H(n)	109.63(55)
C(o)–H(o)	1.090(6)	H(n)–C(n)–H(n)	107.18(72)
C(c)–H(c)	1.093(5)	O–C(o)–H(o)	110.97(53)
C(c)–H(t)	1.082(8)	C(o)=C(c)–H(c)	122.43(48)
		C(o)=C(c)–H(t)	118.68(57)

Atom	a_s [Å]	b_s [Å]	c_s [Å]
H(s)	–2.90865	0.96489	0.0
H(a)	–2.49345	–0.50482	±0.89063
H(n)	–0.54395	1.09905	±0.88863
H(o)	1.82434	–1.48504	0.0
H(t)	3.08325	0.58135	0.0
H(c)	1.51429	1.60421	0.0
C(m)	–2.26310	0.08910	0.0
O	–0.02793	–0.69395	0.0
C(c)	2.00408	0.62661	0.0
C(n)	–0.79606	0.49441	0.0
C(o)	1.30936	–0.52436	0.0



Hayashi, M., Inada, N.: J. Mol. Spectrosc. **165** (1994) 195.