

1270
MW

C₃H₆O

Oxetane
Trimethylene oxide

C_s (effective
symmetry C_{2v}) ^{a)}

<i>r</i> ₀	Å	<i>θ</i> ₀	deg
C(α)–O	1.448(5)	C(α)–O–C(α)	91.9(10)
C(α)–C(β)	1.546(5)	C(β)–C(α)–O	91.8(10)
C(α)–H(α)	1.092(5)	C(α)–C(β)–C(α)	84.6(10)
C(β)–H(β)	1.087(5)	H(α)–C–H(α)	110.0(5)
C(α)...C(α)	2.081(3)	H(β)–C–H(β)	109.6(5)
C(β)...O	2.150(3)	H(α)–C–O	112.3(10)
		H(α)–C–C	114.8(10)
		H(β)–C–C	115.2(10)



^{a)} Puckering barrier is low.

Creswell, R.A.: Mol. Phys. **30** (1975) 217.