

1165
MW

C₃H₄O₂

3-Hydroxy-2-propenal
Malonaldehyde, enol tautomer

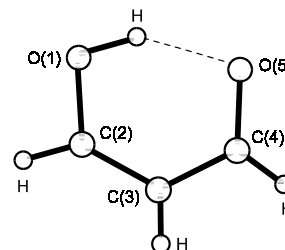
C_s (effective
symmetry C_{2v})^{a)}
H(O)C–CH=CH–OH

r_s	Å ^{b)}	θ_s	deg ^{b)}
O(5)=C(4)	1.234(10)	O–C(2)=C(3)	124.5(10)
O(1)–C(2)	1.320(10)	C(2)=C(3)–C(4)	119.4(10)
C(2)=C(3)	1.348(10)	C(3)–C(4)=O	123.0(10)
C(3)–C(4)	1.454(10)	C(2)–O(1)–H	106.3(10)
C(2)–H	1.089(10)	C(3)=C(2)–H	122.3(10)
C(3)–H	1.091(10)	C(2)=C(3)–H	128.1(30)
C(4)–H	1.094(10)	C(3)–C(4)–H	117.6(10)
O(1)–H	0.969 ^{c)}		

^{a)} Due to proton tunneling.

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

^{c)} Assumed.



Baughcum, S.L., Duerst, R.W., Rowe, W.F., Smith, Z., Wilson, E.B.: J. Am. Chem. Soc. **103** (1981) 6296.