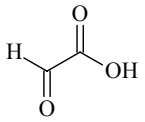
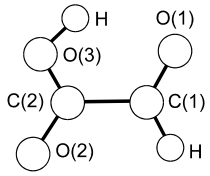
226 **$C_2H_2O_3$** **Glyoxylic acid** **C_s** (conformer I)
MW, *ab initio* calculations Oxoacetic acid **C_s** (conformer II)
(CCSD(T)/cc-pVQZ *etc*.)

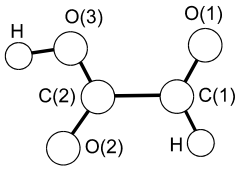


r_e [a])	Å [b])	θ_e [a])	deg [b])
C–C	1.5256(50)	C–C–H	115.41(50)
C–H	1.0963(50)	C(2)–C(1)=O(1)	120.66(50)
C(1)=O(1)	1.2087(50)	C(1)–C(2)=O(2)	121.90(50)
C(2)=O(2)	1.1977(50)	C(1)–C(2)–O(3)	113.35(50)
C(2)–O(3)	1.3317(50)	O(2)=C(2)–O(3)	124.75(50)
O–H	0.9697(50)	C–C–H	106.74(50)

The energy difference between the two low-energy *anti* conformers, I and II, is 5.0(2) kJ mol^{-1}.



conformer I



conformer II

[a]) Equilibrium structural parameters for the most stable conformer I estimated by combining the observed data with results of *ab initio* calculations.
[b]) Uncertainties were not estimated in the original paper.

Bakri, B., Demaison, J., Margulès, L., Møllendal, H.: J. Mol. Spectrosc. **208** (2001) 92.