

1760
ED

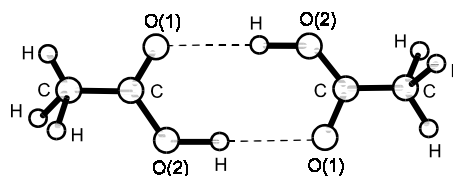
C₄H₈O₄

Acetic acid dimer

C_{2h} (except for the H
atoms in CH₃ groups)
H₃C-COOH · H₃C-COOH

r_a	Å ^{a)}	θ_a	deg ^{a)}
C-C	1.503(15)	C-C=O(1)	123.6(24)
C=O(1)	1.229(9)	C-C-O(2)	113.0(24)
C-O(2)	1.331(12)	O(1)=C-O(2)	123.4(24)
C-H	1.100(45)		
O(1)...H	2.68(4)		

The nozzle temperature was 24(3) °C.



^{a)} Estimated standard errors, three times

those of the original data. The distance values reported in the original paper, based on the scale factor calibration using gold diffraction data, have been reduced by 0.2% for recalibration using a CO₂ gas scale; see author's remarks.

Derissen, J.L.: J. Mol. Struct. **7** (1971) 67.