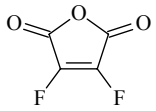
475 **$C_4F_2O_3$** **3,4-Difluoro-2,5-furandione** **C_{2v}**

ED, MW, *ab initio* calculations

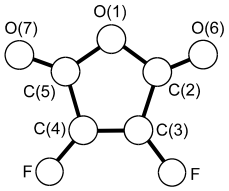
Difluoromaleic anhydride



r_a	Å [a])
C(2)=O(6)	1.196(1)
C–F	1.314(2)
C(3)=C(4)	1.336(3)
O(1)–C(2)	1.396(1)
C(2)–C(3)	1.487(3)

r_α^0	Å [a])
C(2)=O(6)	1.190(1)
C–F	1.309(2) [b])
C(3)=C(4)	1.332(3) [b])
O(1)–C(2)	1.393(1)
C(2)–C(3)	1.485(2)

θ_α	deg [a])
C(2)–C(3)=C(4)	108.3(1)
C(4)=C(3)–F	129.9(1)
C(3)–C(2)=O(6)	129.3(1)
C(2)–O(1)–C(5)	108.9(1)
O(1)–C(2)–C(3)	107.2(2)



The nozzle temperature was *ca*. 293 K.

[a]) Estimated standard errors.
[b]) Difference between the C–F and C(3)=C(4) bond lengths was refined using flexible restraint estimated according to the results of MP2/6-311+G(2df) calculations.

Abdo, B.T., Amer, H., Banks, R.E., Brain, P.T., Cox, A.P., Dunning, O.J., Murtagh, V., Rankin, D.W.H., Robertson, H.E., Smart, B.A.: J. Phys. Chem. A **103** (1999) 1758.