

1566
ED

C₄H₄O₃

Oxolan-2,5-dione
Succinic anhydride

essentially C_{2v}

r_a	Å ^{a)}	θ_a	deg ^{a)}
C=O(6)	1.190(2)	C(5)–O(1)–C(2)	109.9(5)
C–O(1)	1.389(3)	O(1)–C(2)–C(3)	110.5(4)
C(2)–C(3)	1.510(4)	C(2)–C(3)–C(4)	103.8(5)
C(3)–C(4)	1.535 ^{b)}	O(1)–C(2)=O(6')	122.1(4)
C–H	1.118(9)	C(3)–C(2)=O(6')	127.8(4)
		H–C–H	110.0 ^{b)}
		α ^{c)}	52.3 ^{d)}
		φ ^{e)}	4.1(20)

The molecule has a planar or nearly planar heavy-atom skeleton.
The nozzle temperature was ≈ 140 °C.

^{a)} Estimated standard errors.

^{b)} Assumed.

^{c)} Angle between the intersection of the planes C(2)C(3)C(4) and HCH,
and the C(2)–C(3) bond.

^{d)} Not refined.

^{e)} The effective torsional angle between the C(5)O(1)C(2) and O(1)C(2)C(3) planes.

Brendhaugen, K., Kolderup-Fikke, M., Seip, H.M.: Acta Chem. Scand. **27** (1973) 1101.

