

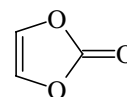
1077
MW

C₃H₂O₃

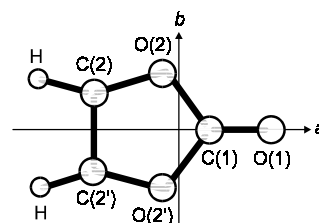
Vinylene carbonate
1,3-Dioxol-2-one

C_{2v}

r_s	Å	θ_s	deg
C(2)=C(2')	1.331(5)	C(2')=C(2)-O(2)	108.7(3)
C(2)-O(2)	1.385(15)	C(2)-O(2)-C(1)	106.9(5)
C(1)-O(2)	1.364(10)	O(2')-C(1)-O(2)	108.8(10)
C(1)=O(1)	1.1908(20)		



Atom	a_s [Å]	b_s [Å]
C(1)	0.7299	0.00
C(2)	-1.3767	± 0.6653
O(1)	1.9207	0.00
O(2)	$\pm 0.044^a$	± 1.1087



The molecule is planar.

^a) The sign of this coordinate was not determined experimentally.

White, W.F., Boggs, J.E.: J. Chem. Phys. **54** (1971) 4714.