

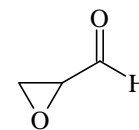
1166
MW

C₃H₄O₂

2,3-Epoxypropanal
Oxiranecarbaldehyde

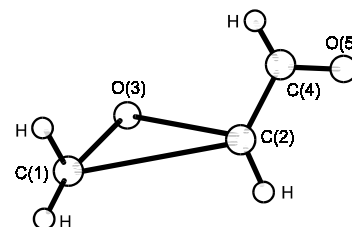
C₁

$r_s^*)$	Å	$\theta_s^*)$	deg
C(1)–C(2)	1.453(25)	C(1)–C(2)–C(4)	119.8(20)
C(2)–C(4)	1.469(10)		



$r_0^*)$	Å	$\theta_0^*)$	deg
C(1)–O(3)	1.44(1)	C(1)–C(2)–O(3)	59(1)
C(2)–O(3)	1.45(2)	C(2)–O(3)–C(1)	62(1)
C(1,2)–H	1.082 ^{b)}	O(3)–C(2)–C(4)	116(2)
C(4)–H	1.108 ^{b)}	C(2)–C(4)=O(5)	122(2)
C(4)=O(5)	1.210 or 1.220 ^{b)}	C(1)–C(2)–H	119.1 ^{b)}
		C(2)–C(1)–H	119.1 ^{b)}
		C(2)–C(4)–H	115.1 ^{b)}
		O(3)–C(1,2)–H	112.4 ^{b)}
		$\varphi^a)$	88(2)

Atom ^{*)}	a_s [Å]	b_s [Å]	c_s [Å]
C(1)	1.4252	–0.7205	0.1023
C(2)	0.2384	0.0337	0.4675
C(4)	–0.9739	–0.0697	–0.3551



^{*)} The numbering of the atoms is arbitrary.

^{a)} Angle between the C(1)C(2)O(3) and C(2)C(4)O(5) planes.

^{b)} Assumed.

Creswell, R.A., Manor, P.J., Assink, R.A., Schwendeman, R.H.: J. Mol. Spectrosc. **64** (1977) 365.