

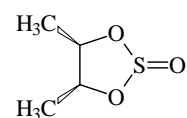
1757
ED

C₄H₈O₃S

cis-4,5-Dimethyl-1,3,2-dioxathiolane 2-oxide
erythro-2,3-Butanediyl sulfite

C₁

$r^a)$	Å ^{b)}	$\theta^a)$	deg ^{b)}
S=O	1.432(24)	D...S=O ^{c)}	64.2(21)
S-O(1,3)	1.625(6)	O(1)-S-O(3)	93.5(10)
C-O	1.433(33)	C-O-S	112.3(17)
C-C	1.525(25)	C-C-O	107.1(33)
C-H	1.105(4)	C-C-H	106.8(70)
		$\tau_1^d)$	166.0(30)
		$\tau_2^e)$	158.0(37)
		$\tau_3^f)$	82.6(37)
		$\tau_4^g)$	42.6(10)



The nozzle temperatures was 130 °C.

^{a)} Unidentified, possibly r_a and θ_a .

^{b)} Estimated standard errors.

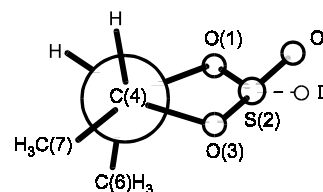
^{c)} D is a dummy atom; the S...D bond is coincident with the outer bisector of the O(1)-S-O(3) angle (see figure).

^{d)} Dihedral angle C(5)-O(1)-S...D.

^{e)} Dihedral angle C(6)-C(5)-O(1)-S.

^{f)} Dihedral angle C(7)-C(4)-O(3)-S.

^{g)} Dihedral angle O(3)-C(4)-C(5)-O(1).



Geise, H.J., Van Laere, E.: Bull. Soc. Chim. Belg. **84** (1975) 775.