

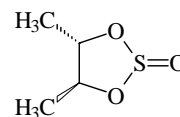
1758
ED

C₄H₈O₃S

***trans*-4,5-Dimethyl-1,3,2-dioxathiolane 2-oxide**
threo-2,3-Butanediyl sulfite

C₁

$r^a)$	Å $b)$	$\theta^a)$	deg $b)$
S=O	1.432(24)	D...S=O $c)$	64.7(21)
S-O(1,3)	1.624(6)	O(1)-S-O(3)	93.5(10)
C-O	1.434(33)	C-O-S	112.2(17)
C-C	1.529(25)	C-C-O	107.6(33)
C-H	1.096(4)	C-C-H	107.5(70)
		$\tau_1^d)$	166.0(30)
		$\tau_2^e)$	153.4(37)
		$\tau_3^f)$	42.6(10)



The nozzle temperatures was 110 °C.

$a)$ Unidentified, possibly r_a and θ_a .

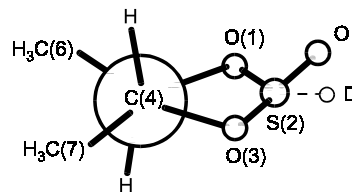
$b)$ Estimated standard errors.

$c)$ 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 O(3)-C(4)-C(5)-O(1).



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