

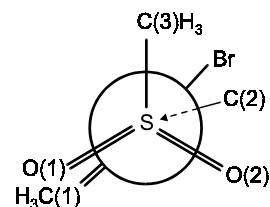
1186
ED

C₃H₅BrO₂S

1-Bromovinyl methyl sulfone

C₁
H₂C=CHBr-SO₂-CH₃

$r^a)$	Å ^{b)}	$\theta^a)$	deg ^{b)}
C(1)-H	1.080 ^{c)}	S-C(3)-H	108.3 ^{c)}
C(3)-H	1.090 ^{c)}	C(2)=C(1)-H	120.6 ^{c)}
C(1)=C(2)	1.350(13)	C(1)=C(2)-S	120.9(28)
S=O	1.438(4)	C(1)=C(2)-Br	123.0(27)
C(2)-Br	1.877(9)	C(2)-S-C(3)	104.4(25)
C(2)-S	1.763 ^{c)}	O=S=O	121.6(26)
C(3)-S	1.773 ^{c)}	C(2)-S=O	105.6(17)
C-S (average)	1.765(6)	C(3)-S=O	109.1 ^{d)}
		C=C-S-C	117.8(29)
		C=C-S=O(1)	3.0 ^{d)}
		C=C-S=O(2)	127.3 ^{d)}
		Br-C-S-C	62.2 ^{d)}
		Br-C-S=O(1)	177.4 ^{d)}
		Br-C-S=O(2)	52.8 ^{d)}



The temperature of the measurement was not stated, probably room temperature.

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

^{b)} Three times the estimated standard errors.

^{c)} Roughly estimated.

^{d)} Dependent parameters.

Naumov, V.A., Ziatdinova, R.N.: Zh. Strukt. Khim. **24** No. 3 (1983) 48; Russ. J. Struct. Chem. (Engl. Transl.) **24** (1983) 370.