

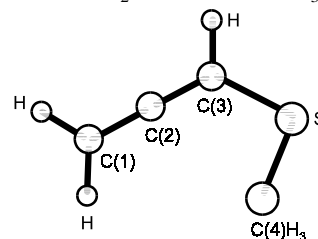
1672  
ED

**C<sub>4</sub>H<sub>6</sub>S**

**Methyl 1,2-propadienyl sulfide**  
(Methylthio)allene

C<sub>s</sub> (skeleton) (*syn*)  
C<sub>1</sub> (nonplanar conformer)  
H<sub>2</sub>C=C=CH-S-CH<sub>3</sub>

<i>r</i> <sup>a)</sup>	Å <sup>b)</sup>	<i>θ</i> <sup>a)</sup>	deg <sup>b)</sup>
C(1)=C(2)	1.282(20)	C(3)-S-C(4)	98.1(16)
C(2)-C(3)	1.327(20)	C(2)-C(3)-S	125.4(12)
C(3)-S	1.745(20)		
S-C(4)	1.800(20)		
C(1,3)-H	1.087(16)		
C(4)-H	1.107(16)		



A planar *syn* conformer (skeleton with C<sub>s</sub> symmetry, see figure) and a nonplanar conformer seem to be present.

The measurements were made at 40 °C.

<sup>a)</sup> Unidentified, possibly *r*<sub>a</sub> and *θ*<sub>a</sub>.

<sup>b)</sup> Estimated standard errors; twice those in the original data.

Derissen, J.L., Bijen, J.M.J.M.: J. Mol. Struct. **16** (1973) 289.