

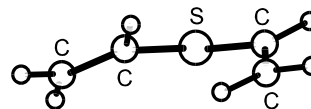
1673  
ED

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

**Divinyl sulfide**  
1,1'-Thiobisethene

**C<sub>1</sub>**  
H2C=CH-S-CH=CH2

$r_g$	Å <sup>a)</sup>	$\theta_a$	deg <sup>a)</sup>
S–C	1.758(4)	C–S–C	101.8(21)
C=C	1.342(3)	S–C=C	123.7(6)
C–H	1.092(3)	C=C–H	119.7(4)
		$\tau_1$ <sup>b)</sup>	32(9)
		$\tau_2$ <sup>b)</sup>	–148(7)



The nozzle temperature was 21 °C.

<sup>a)</sup> Estimated total errors.

<sup>b)</sup> Dihedral angle C=C–S–C;  $\tau_1 = \tau_2 = 0^\circ$  for the *syn-syn* C=C–S–C=C chain.

Rozsondai, B., Horváth, Z.E.: J. Chem. Soc. Perkin Trans. II (1993) 1175.