

1842  
ED

**C<sub>4</sub>H<sub>12</sub>B<sub>2</sub>S<sub>2</sub>**

**Bis(dimethylboryl)disulfane**

**C<sub>2</sub> (skeleton) assumed**  
**(CH<sub>3</sub>)<sub>2</sub>B–S–S–B(CH<sub>3</sub>)<sub>2</sub>**

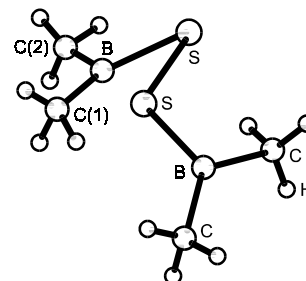
$r_a$	$\text{\AA}^a$	$\theta_a$	$\text{deg}^a$
S–B	1.805(5)	B–S–S	105.3(4)
S–S	2.078(4)	S–B–C(1)	114.0(6)
C–B	1.573(5)	S–B–C(2)	123.4(4)
C–H	1.090(5)	B–C–H	109.8(6)
		$\tau_1^b$	120(6)
		$\tau_2^c$	179(4)

Planar bonding about the boron atom is assumed.  
The nozzle temperature was 65 °C.

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

<sup>b</sup>) Dihedral angle B–S–S–B.

<sup>c</sup>) Dihedral angle S–S–B–C(2).



Johansen, R., Seip, H.M., Siebert, W.: Acta Chem. Scand, Ser. A **29** (1975) 644.