

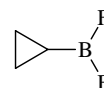
1179  
MW

**C<sub>3</sub>H<sub>5</sub>BF<sub>2</sub>**

**Cyclopropyldifluoroborane**

**C<sub>s</sub>**

$r_0$	Å <sup>a)</sup>	$\theta_0$	deg <sup>a)</sup>
C(1)–C(2,3)	1.514(8)	C(2)–C(1)–C(3) <sup>c)</sup>	59.2(2)
C(2)–C(3) <sup>c)</sup>	1.496(3)	C–C–H( <i>cis</i> )	116.2 <sup>a)</sup>
B–C	1.589(4)	C–C–H( <i>trans</i> )	116.2 <sup>a)</sup>
B–F <sup>b)</sup>	1.328(4)	C–C–H( <i>sec</i> )	116.1 <sup>a)</sup>
C–H( <i>cis</i> )	1.086 <sup>a)</sup>	B–C–C	115.0(8)
C–H( <i>trans</i> )	1.082 <sup>a)</sup>	F–B–F	115.9(9)
C–H( <i>sec</i> )	1.079 <sup>a)</sup>	tilt (BF <sub>2</sub> ) <sup>d)</sup>	2.9(18)



For the stable conformer, see figure.

<sup>a)</sup> Assumed.

<sup>b)</sup> The B–F distances were varied equally.

<sup>c)</sup> Not independent parameters.

<sup>d)</sup> Tilt of the BF<sub>2</sub> group toward the cyclopropyl ring.

Odom, J.D., Szafran, Z., Johnston, S.A., Li, Y.S.,  
Durig, J.R.: J. Am. Chem. Soc. **102** (1980) 7173.

