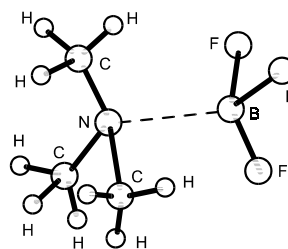


1375 **C₃H₉BF₃N**
MW*)

Trimethylamine – boron trifluoride (1/1)

C_{3v}
(CH₃)₃N · BF₃

r_0	Å ^{a)}	θ_0	deg ^{a)}
B...N	1.636(4)	F–B–F	112.4(2)
B–F	1.387(5)	F–B–N	106.3(2)
F...F	2.305(10)	C–N–C	108.6(2)
C–N	1.476(5)	C–N–B	110.4(3)
C...C	2.400(10)	H–C–H	111(2)
C–H	1.10(3)	H–C–N	109(2)



Cassoux, P., Kuczkowski, R. L., Serafini, A.: Inorg. Chem.
16 (1977) 3005.

ED, MW*)

r_g	Å ^{a)}	θ_α^0	deg ^{a)}
B...N	1.674(4)	F–B–F	113.1(3)
B–F	1.374(2)	C–N–C	109.4(4)
C–N	1.485(2)	H–C–H	110.2(6)
C–H	1.100(3)		

C_{3v} (staggered) assumed

The nozzle temperature was 130 °C.

^{a)} 2.5 times the estimated standard errors including a systematic error.

Iijima, K., Shibata, S.: Bull. Chem. Soc. Jpn. **52** (1979) 711.

See also: Hargittai, M., Hargittai, I.: J. Mol. Struct. **39** (1977) 79.

*) The structures determined by MW and ED seem to be slightly different even if the difference in the definitions of the structural parameters is taken into account.