

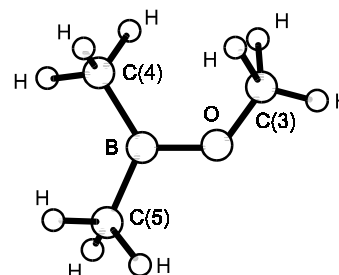
1378
ED

C₃H₉BO

Methoxydimethylborane

essentially C_s (skeleton)
H₃C–O–B(CH₃)₂

r_a	Å ^{a)}	θ_α	deg ^{a)}
C(4,5)–H	1.103(2)	B–C–H	111.7(5)
C(3)–H	1.103(2)	O–C–H	109.7(5)
B–C	1.575(2)	B–O–C(3)	124.4(5)
B–O	1.361(2)	O–B–C(4)	121.3(8)
O–C	1.421(2)	O–B–C(5)	116.4(6)
		τ_1 ^{b)}	180 ^{c)}
		τ_2 ^{d)}	–30 ^{c)}
		τ_3 ^{e)}	150 ^{c)}
		τ_4 ^{f)}	14.1(38)



The nozzle temperature was 20 °C.

^{a)} Estimated standard errors including a systematic error.

^{b)} Dihedral angle H–C(3)–O–B.

^{c)} Fixed.

^{d)} Dihedral angle H–C(4)–B–O.

^{e)} Dihedral angle H–C(5)–B–O.

^{f)} Dihedral angle C(3)–O–B–C(4).

Gundersen, G., Jonvik, T., Seip, R.: Acta Chem. Scand. Ser. A **35** (1981) 325.