

1379
ED

C₃H₉BO₂

Dimethoxymethylborane

essentially C_s (skeleton) (*syn-anti*)
H₃C–B(OCH₃)₂

r_a	Å ^{a)}	θ_α	deg ^{a)}
C(6)–H	1.106(2)	B–C–H	100.4(24)
C(4,5)–H	1.106(2)	O–C–H	110.0(7)
B–C	1.571(6)	O(2)–B–C(6)	117.9(5)
B–O	1.375(4)	O(3)–B–C(6)	125.0(6)
O–C	1.417(3)	B–O(2)–C(4)	121.2(8)
		B–O(3)–C(5)	122.9(6)
		τ_1^b	30.0 ^{c)}
		τ_2^d	180.0 ^{c)}
		τ_3^e	–30.0 ^{c)}
		τ_4^f	191.9(76)
		τ_5^g	–11.9(76)

The nozzle temperature was 20 °C.

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

^{b)} Dihedral angle H–C(4)–O(2)–B.

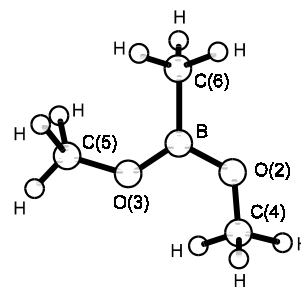
^{c)} Fixed.

^{d)} Dihedral angle H–C(5)–O(3)–B.

^{e)} Dihedral angle H–C(6)–B–O(2).

^{f)} Dihedral angle C(4)–O(2)–B–C(6)

^{g)} Dihedral angle C(5)–O(3)–B–C(6).



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