

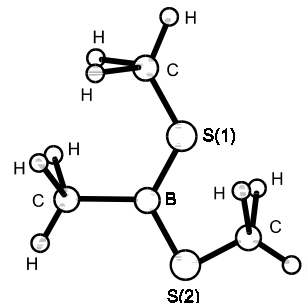
1382
ED

C₃H₉BS₂

Methylbis(methylthio)borane

essentially C_s (skeleton)
(*syn-anti*)
H₃C–B(SCH₃)₂

r_a	Å ^{a)}	θ_α	deg ^{a)}
C–H	1.086(5)	S(2)–B–C	116.4(4)
C–B	1.567(10)	S(1)–B–C	124.4(4)
S–B	1.796(7)	B–S(2)–C	104.5(10)
S–C	1.818(6)	B–S(1)–C	106.2(14)
		S–C–H	112.0(5)
		B–C–H	112.5 ^{b)}
		τ_1 ^{c)}	196.7(55)
		τ_2 ^{d)}	–17.3(66)
		τ_3 ^{e)}	200.0 ^{b)}
		τ_4 ^{f)}	190.0 ^{b)}
		τ_5 ^{g)}	75.0 ^{b)}



The nozzle temperature was 50 °C.

^{a)} Estimated standard errors.

^{b)} Not refined simultaneously with the other parameters.

^{c)} Dihedral angle C–B–S(2)–C.

^{d)} Dihedral angle C–B–S(1)–C.

^{e)} Dihedral angle B–S(2)–C–H.

^{f)} Dihedral angle B–S(1)–C–H.

^{g)} Dihedral angle S(2)–B–C–H.

Lindøy, S., Seip, H.M., Seip, R.: Acta Chem. Scand. Ser. A **30** (1976) 54.