

1386
MW

C₃H₉BrSi

Bromotrimethylsilane

C_{3v}
BrSi(CH₃)₃

r_0	\AA^a	θ_0	deg ^{a)}
Si-Br	2.235(3)	C-Si-Br	107.5(2)
Si-C	1.856(15)	H-C-H	109.5 ^{b)}
C-H	1.095 ^{b)}		

Atom ^{c)}	a_0 [\AA]	b_0 [\AA]	c_0 [\AA]
Si	-1.0042	0.0	0.0
Br	1.2305	0.0	0.0
C(1)	-1.5637	0.0	-1.7694
C(2)	-1.5637	-1.5323	0.8847
C(3)	-1.5637	1.5323	0.8847

^{a)} Uncertainties are slightly larger than those of the original data.

^{b)} Assumed.

^{c)} In the principal axis system of ¹²C²⁸Si⁸¹Br.

Harmony, M.D., Strand, M.R.: J. Mol. Spectrosc. **81** (1980) 308.