

1678
MW

C₄H₇Br

Bromocyclobutane
Cyclobutyl bromide

C_s

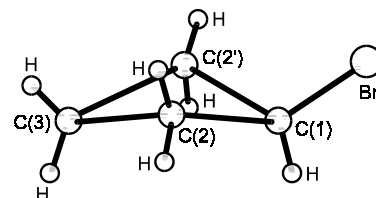
r_0	Å	θ_0	deg
C(2)–C(1)	1.540(3)	C(2)–C(3)–C(2')	88.1(1)
C(2)–C(3)	1.548(3)	C(2)–C(1)–C(2')	88.7(1)
C–H	1.096 ^{a)}	H–C(3)–H	110.7 ^{a)}
C–D	1.087 ^{a)}	H–C(2)–H	108.7 ^{a)}
C–Br	1.939 ^{a)}	H–C–Br	111 ^{a)}
		φ ^{b)}	131.0(1)
		α ^{c)}	128.5 ^{a)}
		ϕ ^{d)}	29.4(1)

^{a)} Assumed.

^{b)} Angle between the C(2)C(1)C(2') plane and the C–Br bond.

^{c)} Angle between the C(1)C(2)C(3) plane and the C(2)–H bond.

^{d)} Angle between the normals of the C(2)C(1)C(2') and C(2)C(3)C(2') planes.



Rothschild, W.G., Dailey, B.P.: J. Chem. Phys. **36** (1962) 2931.

See also: Rothschild, W.G.: Ph. D. Thesis, Columbia Univ. New York **1961**; Diss. Abstr. **22** (1962) 3875.