

1623
ED

C₄H₆BrCl

***trans*-1-Bromo-3-chlorocyclobutane**

C_s

| r_a | Å ^{a)} | $\theta_a^{b)}$ | deg ^{a)} |
|-------|------------------------|-----------------|-------------------|
| C–C | 1.551(3) | β | 33(2) |
| C–Cl | 1.795(8) | $\alpha(1)$ | 55(2) |
| C–Br | 1.950(5) ^{c)} | $\alpha(3)$ | 56(2) |
| | | $\alpha(1')$ | 55(2) |

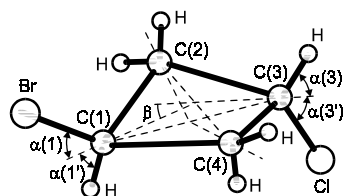


The cyclobutane ring is nonplanar.

^{a)} Estimated standard errors.

^{b)} For definition of angles, see figure.

^{c)} Assumed to be equal to C–Br in the 1,3-dibromocyclobutane.



Almenningen, A., Bastiansen, O., Walløe, L., in: “Selected Topics in Structure Chemistry”,
Eds.: P. Andersen, O. Bastiansen, S. Furberg; Oslo, Universitetsforlaget, **1967**, p. 91.