

1193
MW

C₃H₅Cl

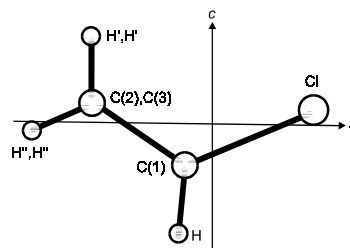
Cyclopropyl chloride
Chlorocyclopropane

C_s



| r_s | Å | θ_s | deg |
|-----------|-----------|---------------|-----------|
| C(1)–Cl | 1.740(11) | C(2)–C(1)–Cl | 118.7(6) |
| C(1)–C(2) | 1.513(8) | Cl–C(1)–H | 115.8(6) |
| C(2)–C(3) | 1.515(3) | C(2)–C(1)–H | 116.1(8) |
| C(1)–H | 1.079(3) | C(1)–C(3)–H' | 115.5(6) |
| C(2)–H' | 1.086(8) | C(2)–C(3)–H' | 116.9(6) |
| C(2)–H'' | 1.082(10) | C(1)–C(3)–H'' | 117.8(10) |
| | | C(2)–C(3)–H'' | 118.7(6) |
| | | H'–C–H'' | 116.2(6) |

| Atom | a_s [Å] | b_s [Å] | c_s [Å] |
|------------|-----------|--------------|-----------|
| Cl | 1.2861 | 0.00 | 0.0841 |
| C(1) | –0.3287 | 0.00 | –0.5647 |
| H | –0.4022 | 0.00 | –1.6407 |
| C(2), C(3) | –1.4093 | ± 0.7577 | 0.1760 |
| H' | –1.0925 | ± 1.2493 | 1.0908 |
| H'' | –2.1552 | ± 1.2765 | –0.4109 |



The figure shows the projection in the *ac* plane of symmetry.

Schwendeman, R.H., Jacobs, G.D., Krigas, T.M.: J. Chem. Phys. **40** (1964) 1022.

See also: Friend, J.P., Dailey, B.P.: J. Chem. Phys. **29** (1958) 577.