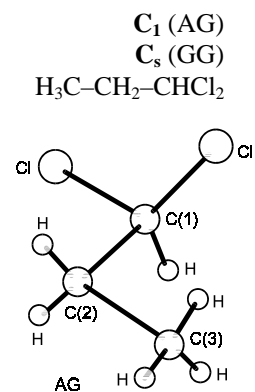


1243 **C₃H₆Cl₂**
ED, MM calculations

1,1-Dichloropropane

r_g	Å ^{a)}	θ_α	deg ^{a)}
C–H	1.108(5)	Cl–C–Cl	109.3(2)
C–C	1.522(3)	H–C(2)–H	107.6 ^{b)}
C–Cl	1.781(3)	H–C(3)–H	108.9(4)
		C–C–C	113.3(7)
		C–C–Cl	110.7(2)
		H–C–Cl	107.7(3)
		C(2)–C–H	109.9 ^{b)}
		C–C(2)–H	108.6(3)
		AG	GG
		$\Delta\tau_1$ ^{c)}	10.0(12) 0 ^{d)}
		$\Delta\tau_2$ ^{c)}	–6.7(12) 0 ^{d)}



Two conformers, AG (66(3)%) and GG were detected. Values are conformational averages.
The nozzle temperature was 25 °C.

^{a)} Estimated standard errors including a systematic error.

^{b)} Assumed value from molecular mechanics calculations.

^{c)} Torsional angle deviations from staggered forms (around C(1)–C(2) and C(2)–C(3), respectively).

^{d)} An exactly staggered form was assumed.

Rydland, T., Seip, R., Stølevik, R., Vorren, Ø.: Acta Chem. Scand. Ser. A **37** (1983) 41.