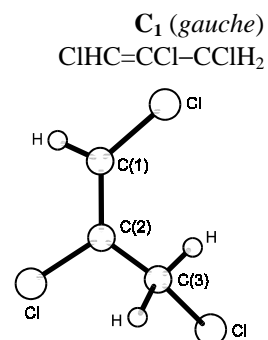


1092
ED

C₃H₃Cl₃

(E)-1,2,3-Trichloro-1-propene

r_g	Å ^{a)}	θ_α	deg ^{a)}
C–H	1.06(3)	C–C=C	124(2)
C(1)=C(2)	1.365(12)	C(2)=C(1)–Cl	124(2)
C(2)–C(3)	1.467(15)	C(1)=C(2)–Cl	115.2(14)
C(1)–Cl	1.733(25)	C(2)–C(3)–Cl	110.9(13)
C(2)–Cl	1.727(25)	τ^b	110(8)
C(3)–Cl	1.800(9)		



The ED data are consistent with the presence of only the *gauche* conformer.

The nozzle temperature was 110 °C.

^{a)} Twice the estimated standard errors.

^{b)} Cl–C(3)–C(2)=C(1) torsion angle, $\tau = 0^\circ$ when C–Cl bond is eclipsed with respect to the C(1)=C(2) bond.

Shen, Q.: J. Mol. Struct. **212** (1989) 151.