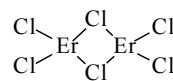


167 **Cl₆Er₂** **Di- μ -chloro-bis[dichloroerbium(III)]** **D_{2h} assumed**
 ED Di- μ -chloro-tetrachlorodierbium

r_g	Å ^{a)}	θ^b	deg ^{a)}
Er–Cl(t) ^{c)}	2.444(5)	Cl(t)–Er–Cl(t)	117(5)
Er–Cl(b)	2.65(4)	Cl(b)–Er–Cl(b)	84(10)



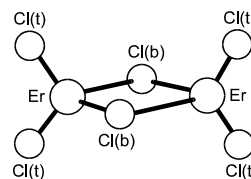
Monomeric (97(2) mol%) and dimeric (3(2) mol%) molecules were detected in the vapor over ErCl₃.

The nozzle temperature was 1134(20) K.

^{a)} 2.5 times the estimated standard errors including a systematic error.

^{b)} Unidentified, possibly θ_α .

^{c)} Bond lengths $r_\alpha(\text{Er–Cl})$ in the ErCl₃ molecule and $r_\alpha(\text{Er–Cl(t)})$ were assumed to be equal.



Giricheva, N.I., Girichev, G.V., Shlykov, S.A., Pelipets, O.V.: Zh. Strukt. Khim. **41** No.2 (2000) 285; J. Struct. Chem. (Engl. Transl.) **41** (2000) 231.