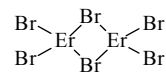


108
ED**Br₆Er₂****Di- μ -bromo-bis[dibromodierbium(III)]****D_{2h} assumed**Di- μ -bromo-tetrabromodierbium

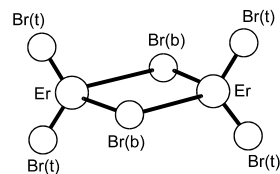
r_g	\AA^a	θ_α	deg^a
Er–Br(t) ^b	2.588(6)	Br(t)–Er–Br(t)	116(7)
Er–Br(b)	2.758(20)	Br(b)–Er–Br(b)	81(7)

According to the results of mass spectrometric study, a small amount (2.5(10) mol%) of dimeric molecules Er₂Br₆ was present in the vapor over ErBr₃.

The nozzle temperature was 1095(10) K.

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

^b) $r_\alpha(\text{Er}–\text{Br}(\text{t}))$ was assumed to be equal to the $r_\alpha(\text{Er}–\text{Br})$ in the monomer.



Zakharov, A.V., Giricheva, N.I., Vogt, N., Shlykov, S.A., Vogt, J., Girichev, G.V.: J. Chem. Soc., Dalton Trans. (2001) 3160.