

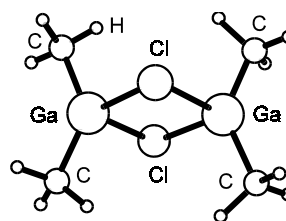
1844  
ED

**C<sub>4</sub>H<sub>12</sub>Cl<sub>2</sub>Ga<sub>2</sub>**

**Di- $\mu$ -chloro-bis(dimethylgallium)**

**D<sub>2h</sub> (skeleton)**

$r_a$	Å	$\theta^a$	deg $b$
Ga...Ga	3.303(19)	C–Ga–C	132.1(27)
Ga–C	1.946(3)	twist (CH <sub>3</sub> ) $c$	48.9(40)
C–H	1.129(7)	H–C–Ga	104.2(13)
Ga–Cl	2.378(4)	tilt (CH <sub>3</sub> ) $d$	–1.6(40)



The experiments were made at room temperature.

<sup>a</sup>) Undefined, possibly  $\theta_a$ .

<sup>b</sup>) Estimated standard errors including a systematic error.

<sup>c</sup>) Defined as the angle of the concerted clockwise rotation of the two CH<sub>3</sub> groups bound to a common Ga atom, viewed from the Ga atom away from a position in which a C–H bond of each CH<sub>3</sub> group is *trans* to the opposite Ga–C bond.

<sup>d</sup>) Defined as positive when the two CH<sub>3</sub> groups bonded to the same Ga atom are tilted away from each other.

Baxter, P.L., Downs, A.J., Goode, M.J., Rankin, D.W.H., Robertson, H.E.: J. Chem. Soc., Dalton Trans. 1990, 2873.