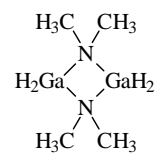


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C₄H₁₆Ga₂N₂

Bis- μ -dimethylamido-bis[dihydridogallium(III)] **D_{2h}** (without methyl hydrogen atoms)

r_a	\AA^a	θ_a	deg ^{a)}
Ga–N	2.027(4)	Ga–N–Ga	90.6(8)
Ga–H	1.487(36)	C–N–C	109.6(16)
N–C	1.463(13)	H–C–N	109 ^{b)}
C–H(CH ₃)	1.071(13)	H–Ga–H	109 ^{b)}
		twist(CH ₃) ^{c)}	20 ^{b)}

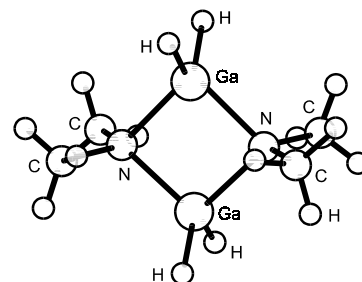


The measurements were made at room temperature.

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

^{b)} Assumed.

^{c)} Away from the configuration in which the whole molecule possesses D_{2h} symmetry and one C–H bond in the CH₃ group is *anti* to the N–C bond of the neighboring N–CH₃ group; the CH₃ groups are twisted so that local symmetry is C₂.



Baxter, P.L., Downs, A.J., Rankin, D.W.H., Robertson, H.E.: J. Chem. Soc., Dalton Trans. (1985) 807.