

608
ED $\text{C}_4\text{H}_{12}\text{Sb}_2$

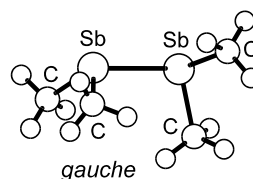
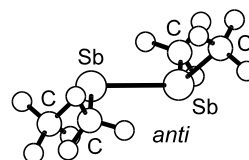
Tetramethyldistibine

 C_{2h} (*anti*)
 C_2 (*gauche*)
 $(\text{CH}_3)_2\text{Sb}-\text{Sb}(\text{CH}_3)_2$

r_a	\AA^a	θ_a	deg^a
Sb–Sb	2.818(4)	Sb–Sb–C	95.5(7)
Sb–C	2.166(4)	C–Sb–C	102.7(65)
C–H	1.098(10)	Sb–C–H	114.3(23)

A model, which assumed a mixture of *anti* and *gauche* conformers in equal amounts and free rotation of the methyl groups, gave the best fit to the experimental data. It was not possible to determine the conformational composition because of the small relative scattering from the torsion-sensitive distances. The nozzle was at 74 °C.

^a) Twice the estimated standard errors.



Császár, A.G., Hedberg, L., Hedberg, K., Ludwig, E.G., Ashe, A.J.: *Organometallics* **5** (1986) 2257.