

Synthese und Kristallstruktur von Tetramesityldibismutan

Synthesis and Crystal Structure of Tetramesityldibismuthane

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Z. Naturforsch. **60b**, 180 – 182 (2005); eingegangen am 16. September 2004

Tetramesityldibismuthane is obtained by the reaction of Mes₂BiCl (Mes = 2,4,6-(CH₃)₃C₆H₂) and LiEH₄ (E = B, Al) with intermediate formation of Mes₂BiH. Crystals of Mes₄Bi₂ consist of centrosymmetric tetramesityldibismuthane molecules in the *trans* conformation. The value of the Bi–Bi bond length is 3.087(3) Å.

Key words: Tetramesityldibismutane, Dimesitylbismutane