

Neue dikationische Silicium-Komplexe mit N-Methylimidazol

New Dicationic Silicon Complexes with N-Methylimidazole

Karl Hensen^{a,*}, Markus Kettner^{a,†}, Peter Pickel^a, Michael Bolte^b

^aInstitut für Physikalische und Theoretische Chemie der Johann Wolfgang Goethe-Universität
Frankfurt am Main, Marie-Curie-Str. 11, D-60439 Frankfurt

^bInstitut für Organische Chemie der Johann Wolfgang Goethe-Universität Frankfurt am Main,
Marie-Curie-Str. 11, D-60439 Frankfurt

Z. Naturforsch. **54 b**, 200–208 (1999); eingegangen am 8. Oktober 1998

Dialkyldibromosilanes, Alkyldibromosilanes, N-Methylimidazol, Lewis-Acid-Base-Adducts,
Crystal Structure

The reactions of the dibromosilanes Et_2SiBr_2 , Ph_2SiBr_2 , EtHSiBr_2 , PhHSiBr_2 and MeHSiBr_2 with N-methylimidazole (NMI) led to white powders stable at room temperature (with Et_2SiBr_2 an 1:2 adduct, with EtHSiBr_2 and Ph_2SiBr_2 1:3 adducts, and with PhHSiBr_2 and MeHSiBr_2 1:4 adducts).

The compounds crystallize from solutions in chloroform and acetonitrile. The X-ray single crystal investigations show in all five cases dicationic complexes.

* Sonderdruckanforderungen an Prof. Dr. K. Hensen