

Darstellung und Kristallstruktur von Bis(triphenylphosphin)-decahydro-*hypho*-hexaboran $[(PPh_3)_2B_6H_{10}] \cdot CH_2Cl_2$

Synthesis and Crystal Structure of Bis(triphenylphosphine)-decahydro-*hypho*-hexaborane $[(PPh_3)_2B_6H_{10}] \cdot CH_2Cl_2$

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Bis(triphenylphosphine)-decahydro-*hypho*-hexaborane, Crystal Structure

By reaction of $[B_6H_6]^{2-}$ with $(PPh_3)_3AgCl$ in dichloromethane the belt-shaped *hypho*-hexaborane adduct $[(PPh_3)_2B_6H_{10}]$ is formed. The crystal structure of $[(PPh_3)_2B_6H_{10}] \cdot CH_2Cl_2$ has been determined by single crystal X-ray diffraction analysis: orthorhombic, space group *Pbnb* with $a = 9.804(3)$, $b = 17.864(4)$, $c = 21.334(2)$ Å, $Z = 4$.

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