

Synthesis and properties of the orthometallated rhodium complex $\text{Rh}\{\text{P}(\text{OPh})_3\}_3\{\text{P}(\text{OC}_6\text{H}_4)(\text{OPh})_2\}$.

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The orthometallated complex formulated as $\text{Rh}\{\text{P}(\text{OPh})_3\}_3\{\text{P}(\text{OC}_6\text{H}_4)(\text{OPh})_2\}$ (**1**) was obtained in the reaction between $[\text{Rh}(\text{OCH}_3)(\text{cod})]_2$ and $\text{P}(\text{OPh})_3$. Based on the ^{31}P NMR and UV-VIS results the alternative structure of that compound — $\text{Rh}\{\text{P}(\text{OPh})_3\}_3\{\text{P}(\text{O})(\text{OPh})_2\}$ (**2**) — was discussed. Both — the formation process of that compound and its reactivity allow to regard it as the orthometallated complex (**1**).

Adres publiczny

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