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Erratum

Erratum to “*Ortho*-metallated transition metal complexes derived from tertiary phosphine and arsine ligands” [Coord. Chem. Rev. 250 (2006) 1851–1888]

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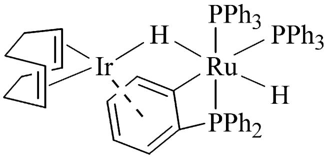
The following paragraph was inadvertently omitted from Section 4.3 of the original manuscript:

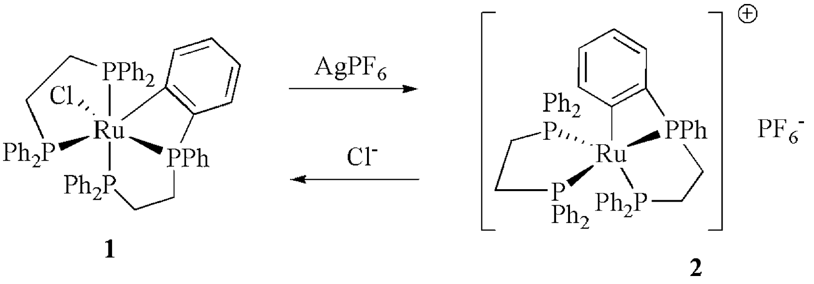
Ortho-metallation has also been observed in Ru complexes of dppe. The sole product of the reaction of *trans*-[$RuCl_2$(dppe)$_2$] with neat $AlMe_3$ at 90 °C is the *ortho*-metallated complex [RuCl{2-$C_6H_4P(Ph)CH_2CH_2PPh_2$}(dppe)] (**1**), which has a distorted octahedral structure, Abstraction of Cl^- from **1** with $AgPF_6$ generates the 16-electron Ru(II) cation [Ru{2-$C_6H_4P(Ph)CH_2CH_2PPh_2$}(dppe)]$^+$ (**2**) (Scheme 1) in which the *ortho*-metallated carbon atom occupies the apical site of the square pyramidal geometry about ruthenium. This reaction is reversed by treatment of **2** with dodecyltrimethylammonium chloride. The initial product of the reaction of *trans*-[$RuCl_2$(dppe)$_2$] with $AlMe_3$ is *trans*-[RuClMe(dppe)$_2$], which can be isolated. The proposed sequence leading to **1** is: (1) $AlMe_3$-promoted loss of Cl^- from *trans*-[$RuCl_2$(dppe)$_2$] giving the 16-electron cation [RuMe(dppe)$_2$]$^+$; (2) loss of methane from this species, generating cation **2**; (3) reaction of **2** with Cl^- [1].

[1] K. Umezawa-Vizzini, T.R. Lee, Organometallics 16 (1997) 5613.

On page 1859 Structure **34a** should be:



34a



Scheme 1.

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