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Erratum

Carbene complexes XXIV [☆]. Preparation and characterization of two enetetramine-derived carbenerhodium(I) chloride complexes $RhCl(L^R)_3$ and $[RhCl(COD)L^R]$ $\{L^R = \underline{CN(Me)C(CH)_4}\overline{CNMe\text{-}o}\}$ and the preparation and X-ray structures of the enetetramine L_2^R and its salt $[L_2^R][BF_4]_2$ [☆☆,☆☆☆]

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Abstract

The enetetramine $[o\text{-}C_6H_4\{N(Me)\}_2C]_2$ (abbreviated as L_2^R) (**1**) has been obtained either from *N,N'*-dimethyl-*o*-phenylenediamine and $CH(OMe)_2NMe_2$ or from $[o\text{-}C_6H_4\{N(Me)\}_2C]I$ and NaH. Treatment of **1** with $Ag[BF_4]$ yielded the salt $[L_2^R][BF_4]_2$ (**2**). Use of L_2^R and $[\{Rh(\mu\text{-}Cl)(COD)\}_2]$ in appropriate stoichiometry gave the carbenerhodium(I) chlorides $[RhCl(COD)L^R]$ and $RhCl(L^R)_3$; ^{103}Rh NMR chemical shifts for **3** and **4** have been recorded. Crystal structure determinations were carried out on compounds **1** and **2**. The most notable features are the differences between **1** and **2** with respect to (i) the C–C bond length [1.344(4) Å (**1**) and 1.462(13) Å (**2**)], (ii) the adjacent endocyclic N–C bond length [1.428(8) Å (**1**) and 1.331(4) Å (**2**)], (iii) the torsion angle about the central C–C bond [21° (**1**) and 72° (**2**)] and (iv) the closer approach of the nitrogen environment to trigonal planar in **2** than in **1**.

Keywords: Rhodium; Carbene; Crystal structure; Enetetramine

The Publisher regrets that a typographical error appeared in the title of this paper (Journal of Organometallic Chemistry 481 (1994) 89), the correct title is printed above.

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[☆] For Part XXIII, see ref. 1. No reprints available.

[☆☆] Dedicated to Professor Hans Bock on the occasion of his 65th birthday.

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