ChemComm



CORRECTION

View Article Online



Cite this: Chem. Commun., 2017,

Correction: A binary catalyst system of a cationic Ru-CNC pincer complex with an alkali metal salt for selective hydroboration of carbon dioxide

Chee Koon Ng, ab Jie Wu, *C T. S. Andy Hor*bcd and He-Kuan Luo*b

DOI: 10.1039/c6cc90544q

www.rsc.org/chemcomm

Correction for 'A binary catalyst system of a cationic Ru-CNC pincer complex with an alkali metal salt for selective hydroboration of carbon dioxide' by Chee Koon Ng et al., Chem. Commun., 2016, 52, 11842-11845.

In the original article, compound 14 was reported as a PF₆ salt. However, the presented structural data were representative of a PF₄ salt due to unsatisfactory crystal structure refinement.

This compound has therefore been re-crystallized and the crystallographic analysis repeated. The new diffraction data have been correctly and satisfactorily refined as a PF₆⁻ salt. We provide below a new image and caption for Fig. 1, while corrected ESI files have been uploaded in place of those originally supplied.

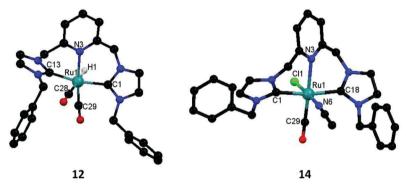


Fig. 1 Single-crystal X-ray molecular structures of 12 and 14 (hydrogen atoms, with the exception of the hydrido ligand, solvent molecules and PF₆ anions have been omitted for clarity). Selected bond lengths (Å) and bond angles (deg): (12) Ru1-N3, 2.197(4); Ru1-C1, 2.087(5); Ru1-C13, 2.080(5); Ru1-C28, 1.972(5); Ru1-C29, 1.853(5); and C13-Ru1-C1, 168.78(19). (14) Ru1-N3, 2.228(2); Ru1-C1, 2.099(3); Ru1-C18, 2.090(3); Ru1-C29, 1.838(3); Ru1-Cl1, 2.4175(10); Ru1-N6, 2.031(3); and C1-Ru1-C18, 170.99(11).

The associated carbene bond data description on page 11843 should therefore also be amended to 'The two CNC carbene ligands are trans to each other (C_{NHC} -Ru- C_{NHC} = 168.8°-171.0°) and the Ru- C_{NHC} bond lengths of 2.08-2.10 Å are consistent with literature values.'

We are thankful to the CCDC for kindly notifying us of this irregularity.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

a NUS Graduate School for Integrative Sciences and Engineering, Center for Life Sciences, #05-01, 28 Medical Drive, Singapore 117456, Singapore

b Institute of Materials Research and Engineering, Agency for Science, Technology and Research, #08-03, 2 Fusionopolis Way, Innovis, Singapore 138634, Singapore. E-mail: luoh@imre.a-star.edu.sg

^c Department of Chemistry, National University of Singapore, 3 Science Drive 3, Singapore 117543, Singapore. E-mail: chmjie@nus.edu.sg

^d Department of Chemistry, The University of Hong Kong, Pokfulam, Hong Kong SAR, China. E-mail: andyhor@hku.hk