

Correction to Catching the First Oligomerization Event in the Catalytic Formation of Polyaminoboranes: $\text{H}_3\text{B}\cdot\text{NMeHBH}_2\cdot\text{NMeH}_2$ Bound to Iridium

Heather C. Johnson, Alasdair P. M. Robertson, Adrian B. Chaplin, Laura J. Sewell, Amber L. Thompson, Mairi F. Haddow, Ian Manners, and Andrew S. Weller*

J. Am. Chem. Soc., **2011**, *133*, 11076–11079. DOI: 10.1021/ja2040738

S Supporting Information

Page 11077 and caption of Figure 3. Reanalysis of the single crystal X-ray diffraction data corresponding to compound **2**, $\text{H}_3\text{B}\cdot\text{NMeHBH}_2\cdot\text{NMeH}_2$, has indicated an incorrect assignment of C1 and B1, which are in fact inverted. As a consequence, the discussion on page 11077 and the caption of Figure 3 are incorrect. The molecule is found in fact in a gauche conformation, as for its Ir-bound analogue, and the N1–B1 bond length measures at 1.590 Å, which is in close agreement to the value of 1.576 Å for the analogous bond in the metal-bound species. The corrected value for N1–B1 is also in close agreement with the B–N bond distance in the related amine–borane, $\text{MeNH}_2\cdot\text{BH}_3$, of 1.594 Å.¹

The previously reported value for N1–B1 in **2** of 1.487 Å corresponds in fact to the N1–C1 bond distance and is in close agreement with the value of 1.483 Å attributed to the N2–C2 bond within the same molecule. Correcting this misassignment also reduces the R factor of the structure from to 0.071 to 0.035, as expected. The authors apologize for this mistake.

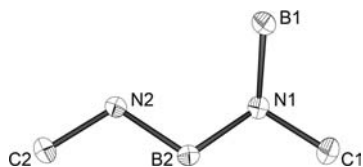


Figure 1. Corrected molecular structure of $\text{H}_3\text{B}\cdot\text{NMeHBH}_2\cdot\text{NMeH}_2$.

■ ASSOCIATED CONTENT

S Supporting Information

Full experimental data for the syntheses; crystallographic data for **2**, **4**, and **5**, including atomic positional and thermal parameters (CIF). This material is available free of charge via the Internet at <http://pubs.acs.org>.

■ REFERENCES

(1) Aldridge, A.; Downs, A. J.; Tang, C. Y.; Parsons, S.; Clarke, M. C.; Johnstone, R. D. L.; Robertson, H. E.; Rankin, D. W. H.; Wann, D. A. *J. Am. Chem. Soc.* **2009**, *131*, 2231–2243.

Published: February 9, 2012