J|A|C|S
ADDITIONS & CORRECTIONS

Enantioselective Carbonyl Reverse Prenylation from the Alcohol or Aldehyde Oxidation Level Employing 1,1-Dimethylallene as the Prenyl Donor

[*J. Am. Chem. Soc.* **2009,** *131,* 6916–6917]. Soo Bong Han, In Su Kim, Hoon Han, and Michael J. Krische*

In this report, the absolute stereochemical assignment of the reaction products was based upon correlation of HPLC data for adduct **4a** to material prepared by Nakajima.[1] However, upon use of this method to construct a known bryostatin substructure,[2a] the opposite diastereoselectivity was observed. Additionally, in *tert*-prenylations of isatin,[2b] the opposite enantioselectivity was observed. On the basis of these observations, as well as the comparison of adduct **4a** to optical rotation data reported by Loh[3a] and Denmark,[3b] we now report that our initial assignment of absolute stereochemistry was incorrect. That is, the (*R*)-enantiomers of the products are formed using the catalyst modified by (*S*)-SEGPHOS. This revision in absolute stereochemical assignment extends to recently reported *tert*-prenylations of furan methanols and furfurals.[2c] Notably, the iridium-catalyzed *tert*-prenylations exhibit enantioselectivity *opposite* to that of corresponding allylations[2d,e] and crotylations.[2f]

Literature Cited

(1) Kotani, S.; Hashimoto, S.; Nakajima, M. *Tetrahedron* **2007**, *63*, 3122.
(2) (a) Lu, Y.; Krische, M. J. *Org. Lett.* **2009**, *11*, 3108. (b) Itoh, J.; Han, S. B.; Krische, M. J. *Angew. Chem., Int. Ed.* **2009**, *48*, 6313. (c) Bechem, B.; Patman, R. L.; Hashmi, S.; Krische, M. J. *J. Org. Chem.* **2010**, *75*, 1795. (d) Kim, I. S.; Ngai, M.-Y.; Krische, M. J. *J. Am. Chem. Soc.* **2008**, *130*, 6340. (e) Kim, I. S.; Ngai, M.-Y.; Krische, M. J. *J. Am. Chem. Soc.* **2008**, *130*, 14891. (f) Kim, I. S.; Han, S. B.; Krische, M. J. *J. Am. Chem. Soc.* **2009**, *131*, 2514.
(3) (a) Loh, T.-P.; Zhou, J.-R.; Yin, Z. *Org. Lett.* **1999**, *11*, 1855. (b) Denmark, S. E.; Fu, J. *J. Am. Chem. Soc.* **2001**, *123*, 9488.

JA105736A

10.1021/ja105736a

A Sulfido-Bridged Diiron(II) Compound and Its Reactions with Nitrogenase-Relevant Substrates

[*J. Am. Chem. Soc.* **2004,** *126,* 4522–4523]. Javier Vela, Sebastian Stoian, Christine J. Flaschenriem, Eckard Münck,* and Patrick L. Holland*

Page 4522. The zero-field Mössbauer parameters determined for complex **1** were misreported. Therefore, in the second paragraph, fifth sentence, the statement "$\Delta E_{Q} = 0.58$ mm/s and isomer shift $\delta = 0.86$ mm/s" should read "$\Delta E_{Q} = 0.86$ mm/s and isomer shift $\delta = 0.58$ mm/s".

Supporting Information, page S-12. In the second sentence of the caption of Figure S5, "$\Delta E_{Q} = 0.58$ mm/s and $\delta = 0.86$ mm/s" should read "$\Delta E_{Q} = 0.86$ mm/s and $\delta = 0.58$ mm/s".

JA106351N

10.1021/ja106351n

Energetics of Phosphate Binding to Ammonium and Guanidinium Containing Metallo-Receptors in Water

[*J. Am. Chem. Soc.* **2003,** *125,* 14807–14815]. Suzanne L. Tobey and Eric V. Anslyn*

Page 14812. In Table 3, first row, fourth column, the value for the enthalpy of binding **1** and HPO_4^{2-} should be $\Delta H° = -0.6$ kcal/mol, not $+0.6$.

JA107031Q

10.1021/ja107031q