

Addition/Correction

**A Valence Bond Modeling of Trends in Hydrogen  
Abstraction Barriers and Transition States of Hydroxylation  
Reactions Catalyzed by Cytochrome P450 Enzymes**

Sason Shaik, Devesh Kumar, and Sam P. de Visser

*J. Am. Chem. Soc.*, **2008**, 130 (42), 14016-14016 • DOI: 10.1021/ja806917f • Publication Date (Web): 20 September 2008

Downloaded from <http://pubs.acs.org> on February 8, 2009

**More About This Article**

---

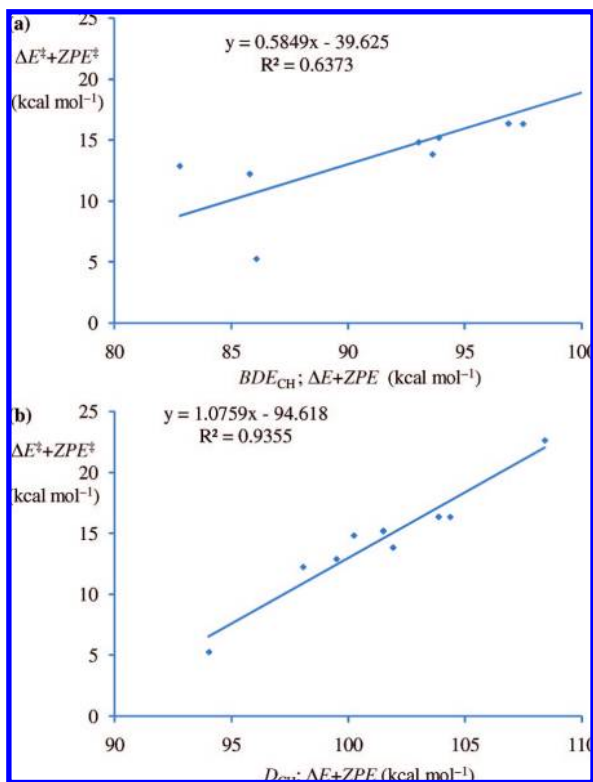
Additional resources and features associated with this article are available within the HTML version:

- Supporting Information
- Access to high resolution figures
- Links to articles and content related to this article
- Copyright permission to reproduce figures and/or text from this article

[View the Full Text HTML](#)

**A Valence Bond Modeling of Trends in Hydrogen Abstraction Barriers and Transition States of Hydroxylation Reactions Catalyzed by Cytochrome P450 Enzymes** [*J. Am. Chem. Soc.* **2008**, *130*, 10128–10140]. Sason Shaik,\* Devesh Kumar, and Sam P. de Visser\*

Page 10134. Figure 4 was plotted with the wrong labels on the axes. The corrected figure is given below. We thank Prof. James Mayer for pointing this error out to us.



**Figure 4.** (a) A plot of the average barriers  $\Delta E^\ddagger + ZPE^\ddagger$  (B2) for the quartet and doublet H-abstraction steps vs  $BDE_{CH}$  (B2). (b) A plot of the average barriers  $\Delta E^\ddagger + ZPE^\ddagger$  for the quartet and doublet H-abstraction steps vs  $D_{CH}$  (defined by eq 3) as calculated with basis set B2.

JA806917F

10.1021/ja806917f

Published on Web 09/20/2008

**An Expedient Asymmetric Synthesis of Platencin** [*J. Am. Chem. Soc.* **2008**, *130*, 11292–11293]. K. C. Nicolaou,\* Qiao-Yan Toh, and David Y.-K. Chen\*

Page 11293. Reference 15 should read as follows:

(15) Alcohol **11**, derived from the major diastereoisomer of the Diels–Alder reaction, oxidized faster than the minor diastereoisomer, facilitating the differentiation of these isomers. A single recrystallization (hexane) of the resulting ketone gave essentially enantiomerically pure material (by optical rotation measurement).

JA806849Z

10.1021/ja806849z

Published on Web 09/25/2008