

# Accepted Manuscript

Theoretical insight into the mechanisms of palladium-catalyzed intramolecular insertion of alkenes into the carbon-nitrogen bond of  $\beta$ -lactam

Jing Zhang, Benzhen Xu, Weirong Wu, Tao Liu



PII: S0022-328X(17)30734-9

DOI: [10.1016/j.jorganchem.2017.12.036](https://doi.org/10.1016/j.jorganchem.2017.12.036)

Reference: JOM 20231

To appear in: *Journal of Organometallic Chemistry*

Received Date: 14 November 2017

Revised Date: 26 December 2017

Accepted Date: 29 December 2017

Please cite this article as: J. Zhang, B. Xu, W. Wu, T. Liu, Theoretical insight into the mechanisms of palladium-catalyzed intramolecular insertion of alkenes into the carbon-nitrogen bond of  $\beta$ -lactam, *Journal of Organometallic Chemistry* (2018), doi: 10.1016/j.jorganchem.2017.12.036.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Theoretical insight into the mechanisms of palladium-catalyzed intramolecular insertion of alkenes into the carbon-nitrogen bond of  $\beta$ -lactam**

Jing Zhang<sup>a</sup>, Benzhen Xu<sup>a</sup>, Weirong Wu<sup>a</sup>, Tao Liu<sup>a,b,\*</sup>

<sup>a</sup> *Department of Chemistry and Chemical Engineering, Jining University, Qufu 273155, Shandong Province, People's Republic of China*

<sup>b</sup> *School of Chemistry and Chemical Engineering, Qufu Normal University, Qufu 273165, Shandong Province, People's Republic of China*

*\* Correspondent author: email: liutao\_2005@126.com*

Download English Version:

<https://daneshyari.com/en/article/7756036>

Download Persian Version:

<https://daneshyari.com/article/7756036>

[Daneshyari.com](https://daneshyari.com)