

Accepted Manuscript

Title: Palladium(II) complexes with new bidentate phosphine-imine ligands for the Suzuki C-C coupling reactions in supercritical carbon dioxide

Author: Mustafa Kemal Yilmaz



PII: S0896-8446(17)30918-X
DOI: <https://doi.org/10.1016/j.supflu.2018.04.022>
Reference: SUPFLU 4262

To appear in: *J. of Supercritical Fluids*

Received date: 14-12-2017
Revised date: 26-4-2018
Accepted date: 27-4-2018

Please cite this article as: Mustafa Kemal Yilmaz, Palladium(II) complexes with new bidentate phosphine-imine ligands for the Suzuki C-C coupling reactions in supercritical carbon dioxide, The Journal of Supercritical Fluids <https://doi.org/10.1016/j.supflu.2018.04.022>

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.

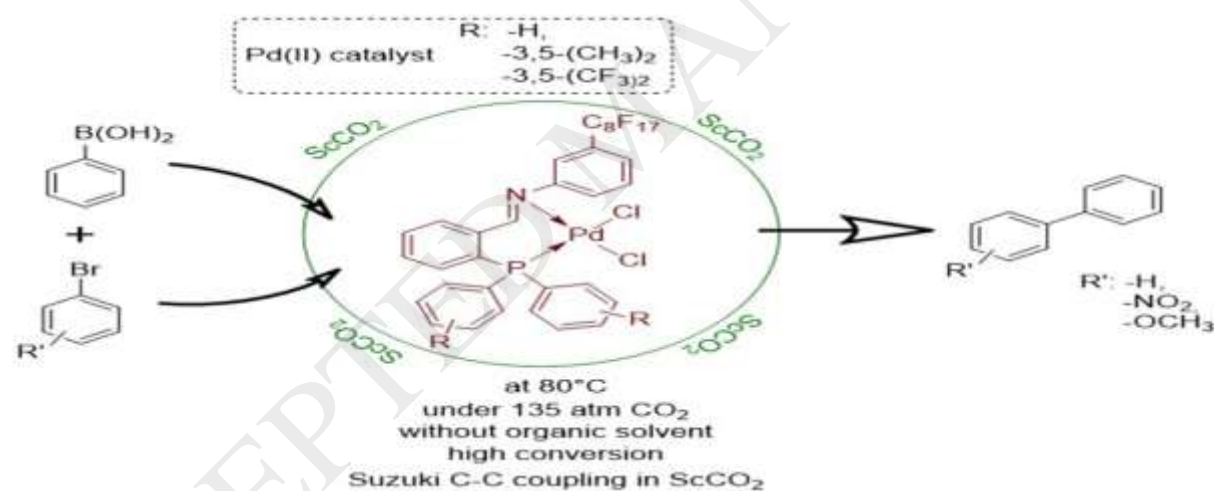
Palladium(II) complexes with new bidentate phosphine-imine ligands for the Suzuki C-C coupling reactions in supercritical carbon dioxide

Mustafa Kemal YILMAZ^{a*}

^aMersin University, Faculty of Arts and Sciences, Department of Chemistry, 33343 Mersin, TURKEY

*Corresponding author Tel.: +90 324 361 00 01; fax: 90 324 361 00 73
e-mail: mkyilmaz@mersin.edu.tr (M. K. Yılmaz)

Graphical abstract



Highlights

- ScCO₂ soluble Pd(II) complexes of phosphine-imine ligands have been prepared.
- Pd(II) complexes were completely dissolved in ScCO₂ (80°C, 133 atm CO₂).
- These complexes were applied for the Suzuki C-C coupling reaction in ScCO₂.
- High catalytic activities were obtained for the activated aryl bromides.

Download English Version:

<https://daneshyari.com/en/article/6670300>

Download Persian Version:

<https://daneshyari.com/article/6670300>

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