

Accepted Manuscript

Synthesis of 1,4-dihydropyridine and polyhydroquinoline derivatives via Hantzsch reaction using nicotinic acid as a green and reusable catalyst

Jamal Davarpanah, Mahboubeh Ghahremani, Ozhan Najafi



PII: S0022-2860(18)31179-7

DOI: [10.1016/j.molstruc.2018.10.002](https://doi.org/10.1016/j.molstruc.2018.10.002)

Reference: MOLSTR 25731

To appear in: *Journal of Molecular Structure*

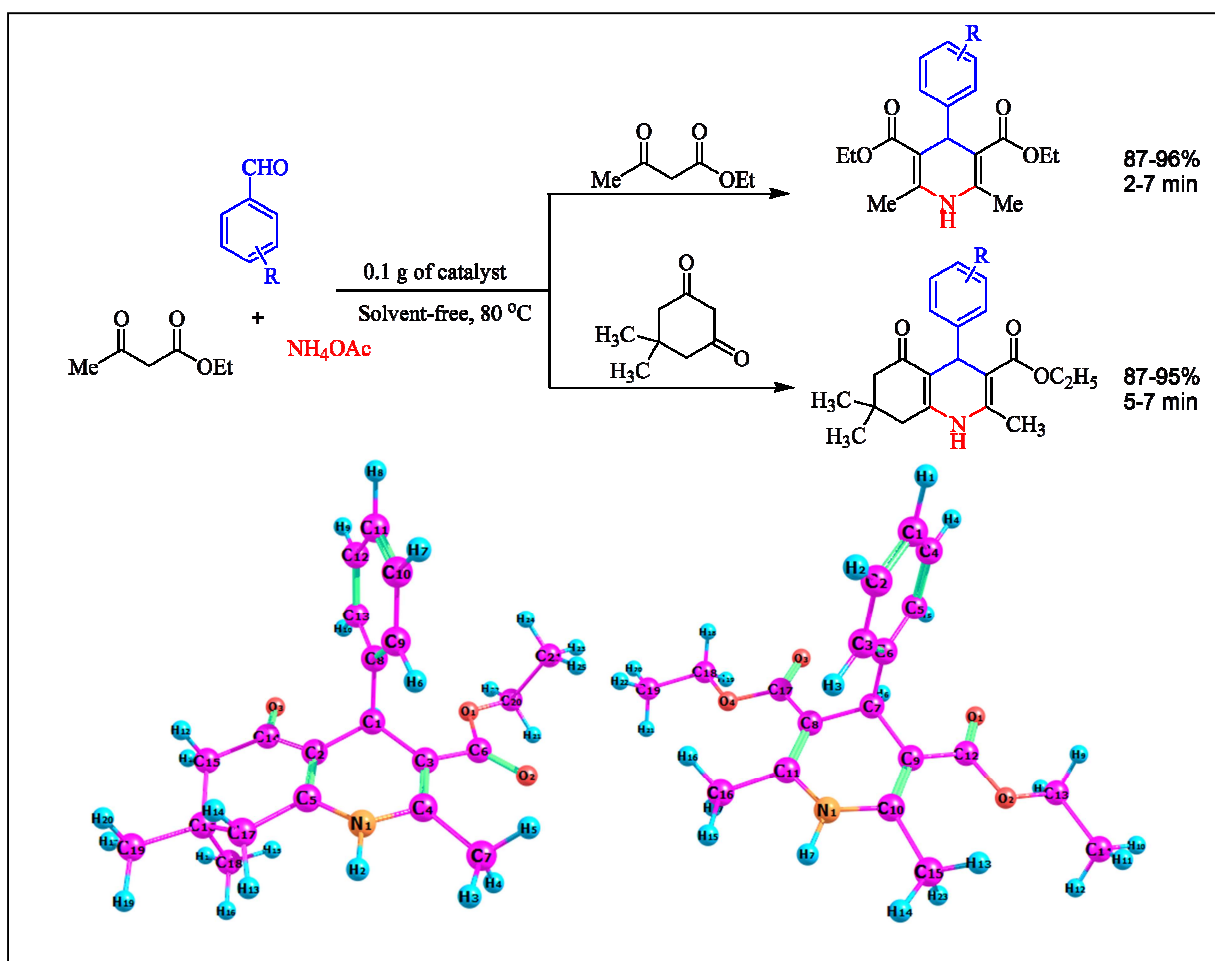
Received Date: 23 July 2018

Revised Date: 1 October 2018

Accepted Date: 1 October 2018

Please cite this article as: J. Davarpanah, M. Ghahremani, O. Najafi, Synthesis of 1,4-dihydropyridine and polyhydroquinoline derivatives via Hantzsch reaction using nicotinic acid as a green and reusable catalyst, *Journal of Molecular Structure* (2018), doi: <https://doi.org/10.1016/j.molstruc.2018.10.002>.

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.



Download English Version:

<https://daneshyari.com/en/article/11027162>

Download Persian Version:

<https://daneshyari.com/article/11027162>

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