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An International Journal for Rapid Communication of Synthetic Organic Chemistry
Volume 48, 2018 - Issue 3

320 | 21

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Efficient sonochemical protocol for the facile synthesis of dipyrimido-dihydropyridine and pyrimido[4,5-*d*]pyrimidines in aqueous β -cyclodextrin

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Pages 233-246 | Received 22 Sep 2017, Published online: 26 Dec 2017

 Cite this article  <https://doi.org/10.1080/00397911.2017.1390685>

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ABSTRACT

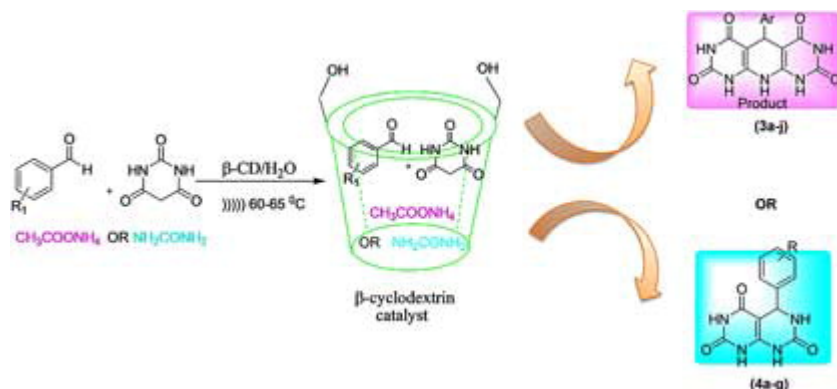
An economical and efficient synthesis of dipyrimido-dihydropyridines and pyrimido[4,5-*d*]pyrimidines is described using greener and recyclable β -cyclodextrin as a supramolecular catalyst in aqueous medium. The remarkable features of this method are mild reaction conditions, short reaction times, easy workup procedure, recyclability of the catalyst, and excellent yields of the products. The highly functional group tolerance and shorter reaction times make this method suitable for the

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substitution pattern.

GRAPHICAL ABSTRACT



Q KEYWORDS: β-cyclodextrin dihydropyridines dipyrimido-dihydropyridines
pyrimido[4,5-d]pyrimidines ultrasonication

Acknowledgments

The authors are thankful to Professor Ramrao A. Mane for his invaluable discussions and guidance. The authors are also thankful to the Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and Central Drug Research Institute (CDRI), Lucknow for providing necessary facilities and spectral analysis, respectively.

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