Accepted Manuscript

Sulfated polyborate: an efficient and reusable catalyst for one pot synthesis of Hantzsch 1,4-dihydropyridines derivatives using ammonium carbonate under solvent free conditions

Deelip S. Rekunge, Chetan K. Khatri, Ganesh U. Chaturbhuj

PII: S0040-4039(17)30210-1

DOI: http://dx.doi.org/10.1016/j.tetlet.2017.02.038

Reference: TETL 48649

To appear in: Tetrahedron Letters

Received Date: 10 January 2017 Revised Date: 10 February 2017 Accepted Date: 11 February 2017

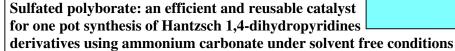


Please cite this article as: Rekunge, D.S., Khatri, C.K., Chaturbhuj, G.U., Sulfated polyborate: an efficient and reusable catalyst for one pot synthesis of Hantzsch 1,4-dihydropyridines derivatives using ammonium carbonate under solvent free conditions, *Tetrahedron Letters* (2017), doi: http://dx.doi.org/10.1016/j.tetlet.2017.02.038

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.

ACCEPTED MANUSCRIPT

Graphical Abstract



Deelip S. Rekunge, Chetan K. Khatri, Ganesh U. Chaturbhuj*

$$R_2$$
 R_2 R_2 R_2 R_3 R_4 R_4 R_5 R_4 R_5 R_4 R_5 R_5 R_6 R_6 R_7 R_8 R_8 R_8 R_9 R_1 R_1 R_2 R_3 R_4 R_5 R_6 R_8 R_8 R_8 R_9 R_1 R_1 R_2 R_3 R_4 R_5 R_6 R_8 R_8 R_8 R_9 R_1 R_2 R_1 R_2 R_3 R_4 R_5 R_1 R_2 R_3 R_4 R_5 R_6 R_8 R_8 R_8 R_9 R_1 R_1 R_2 R_3 R_4 R_5 R_1 R_2 R_3 R_4 R_5 R_5 R_5 R_5 R_6 R_8 R_8 R_9 R_1 R_1 R_2 R_3 R_4 R_5 R_5



Download English Version:

https://daneshyari.com/en/article/5260168

Download Persian Version:

https://daneshyari.com/article/5260168

Daneshyari.com