Accepted Manuscript

One-pot Two-step Facile Synthesis of 2,3,5,6-tetrafluorobenzonitrile-containing Dithiocarbamic Acid Esters

Xuguang Yin, Yamei Guo, Cuibo Liu, Zhifang Wang, Bin Zhang

PII: S0040-4039(15)01139-9

DOI: http://dx.doi.org/10.1016/j.tetlet.2015.07.009

Reference: TETL 46498

To appear in: Tetrahedron Letters

Received Date: 1 June 2015 Revised Date: 29 June 2015 Accepted Date: 2 July 2015



Please cite this article as: Yin, X., Guo, Y., Liu, C., Wang, Z., Zhang, B., One-pot Two-step Facile Synthesis of 2,3,5,6-tetrafluorobenzonitrile-containing Dithiocarbamic Acid Esters, *Tetrahedron Letters* (2015), doi: http://dx.doi.org/10.1016/j.tetlet.2015.07.009

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

One-pot Two-step Facile Synthesis of 2,3,5,6tetrafluorobenzonitrile-containing Dithiocarbamic Acid Esters

Leave this area blank for abstract info.

Xuguang Yin, Yamei Guo, Cuibo Liu,* Zhifang Wang, Bin Zhang*
Department of Chemistry, School of Science, Tianjin University, and
Collaborative Innovation Center of Chemical Science and Engineering (Tianjin),
Tianjin 300072, P. R. China.

$$\begin{array}{c}
R^{2} \\
NH + CS_{2} \\
R^{1}
\end{array}$$

$$\begin{array}{c}
K_{3}PO_{4}, DMSO \\
R^{1}
\end{array}$$

$$\begin{array}{c}
F \\
S^{2}
\end{array}$$

$$\begin{array}{c}
F \\
F
\end{array}$$

X = C, N $Y = CN, CO_2Me, CF_3$ 20 examples Yield up to 96%

Download English Version:

https://daneshyari.com/en/article/5261685

Download Persian Version:

https://daneshyari.com/article/5261685

<u>Daneshyari.com</u>