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Copper-Catalyzed Oxidative Amidation between Aldehydes and Arylamines under Mild Conditions

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PII: S0040-4039(14)02191-1

DOI: http://dx.doi.org/10.1016/j.tetlet.2014.12.113

Reference: TETL 45638

To appear in: Tetrahedron Letters

Received Date: 18 September 2014 Revised Date: 15 December 2014 Accepted Date: 21 December 2014



Please cite this article as: Ding, Y., Zhang, X., Zhang, D., Chen, Y., Wu, Z., Wang, P., Xue, W., Song, B., Yang, S., Copper-Catalyzed Oxidative Amidation between Aldehydes and Arylamines under Mild Conditions, *Tetrahedron Letters* (2014), doi: http://dx.doi.org/10.1016/j.tetlet.2014.12.113

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Yongzheng Ding † , Xian Zhang † , Dongyang Zhang, Yuting Chen, Zhibing Wu, Peiyi Wang, Wei Xue, Baoan Song * , Song Yang *

$$\begin{array}{c} O \\ R_1 \\ \end{array} \begin{array}{c} + \\ H_2 \\ \end{array} \begin{array}{c} -R_2 \\ \end{array} \begin{array}{c} Cul \ (10 \ mol\%) \\ \hline TBHP \ (3 \ eq) \\ \hline solvent-free, r.t., \ 12 \ h \end{array} \begin{array}{c} O \\ R_1 \\ H \end{array}$$

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