**Title:** Direct allylic amination of allylic alcohols with aromatic/aliphatic amines using Pd/TPPTS as an aqueous phase recyclable catalyst

Yogesh S. Wagh, Dinesh N. Sawant, Kishor P. Dhake and Bhalchandra M. Bhanage*

Department of Chemistry, Institute of Chemical Technology, Matunga, Mumbai 400 019, India.

* Corresponding author. Tel.: + 91- 22 3361 1111/2222; Fax: +91- 22 3361 1020.
E-mail address: bm.bhalchandra@gmail.com, bm.bhanage@ictmumbai.edu.in.(B. M. Bhanage)
Experimental data

1. Table S1. Test experiments indicating role of each component

<table>
<thead>
<tr>
<th>Entry</th>
<th>Pd(OAc)$_2$ (mol %)</th>
<th>TPPTS (mol %)</th>
<th>PhCOOH (mol %)</th>
<th>GC yield (%)</th>
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<td>4</td>
<td>5.0</td>
<td>20</td>
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</tbody>
</table>

$^a$Reaction conditions: Cinnamyl alcohol (5 mmol), $N$-methyl aniline (6 mmol), water (10 mL), 100 °C, 4 h.
2. Copy of $^{31}$P NMR, TPPTS ligand
3. $^1$H NMR Spectral Data

3.1 Copy of $^1$H NMR, 3a
3.2 Copy of $^1$H NMR, 3c
3.3 Copy of $^1$H NMR, 3d
3.4 Copy of $^1$H NMR, 6b
3.5 Copy of \(^1\)H NMR, 6c
3.6 Copy of \(^1\)H NMR, 6d
3.7 Copy of $^1$H NMR, 6e
3.8 Copy of $^1$H NMR, 6f