Supporting Information

Ionic Liquid Phase Synthesis (IoLiPS) of 2-aminothiazoles and imidazo[1,2-a]pyridines

Sunita Choudhary,‡ Manoj Kumar Muthyala‡ and Anil Kumar*

Content:
Copies of $^1$H and $^{13}$C NMR spectra of 5, 7a, 9a-g & 11a-g

*Corresponding Author

A. Kumar: Department of Chemistry, Birla Institute of Technology and Science, Pilani, Rajasthan (INDIA), PIN-333 031; Phone: +91-1596-245652; Fax: +91-1596-244183; E-mail: anilkumar@pilani.bits-pilani.ac.in

‡Both authors contributed equally
Copies of $^1$H and $^{13}$C NMR spectra of 5, 7a, 9a-g & 11a-g
SAMPLE INFORMATION

Sample Name: S-350 2-aminothiazole
Sample Type: Unknown
Vial: 1
Injection #: 38
Injection Volume: 10.00 ul
Run Time: 12.0 Minutes

Date Acquired: 9/7/2014 9:33:37 PM IST
Date Processed: 9/14/2014 8:17:27 PM IST

Processed Channel Descr.: PDA 250.0 nm

<table>
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<th>% Area</th>
<th>Height</th>
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<td>1 PDA 250.0 nm</td>
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<td>2814</td>
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<td>3 PDA 250.0 nm</td>
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<td>6094</td>
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<td>4 PDA 250.0 nm</td>
<td>3.235</td>
<td>717234</td>
<td>98.77</td>
<td>173358</td>
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Injection Summary Report

Sample Information

Sample Name: S-317 Thiazole
Sample Type: Unknown
Vial: 1
Injection #: 22
Injection Volume: 10.00 ul
Run Time: 12.0 Minutes

Acquired By: System
Sample Set Name: System
Acq. Method Set: poonam
Processing Method: S11
Channel Name: 250.0 nm
Proc. Chnl. Descr.: PDA 250.0 nm

Date Acquired: 9/8/2014 7:54:07 PM IST
Date Processed: 9/14/2014 9:36:31 PM IST

Processed Channel Descr.: PDA 250.0 nm

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<td>1 PDA 250.0 nm</td>
<td>3.225</td>
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<td>99.99</td>
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<td>2 PDA 250.0 nm</td>
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<td>23</td>
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<tr>
<td>3 PDA 250.0 nm</td>
<td>6.509</td>
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<td>0.01</td>
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Reported by User: System
Report Method: Injection Summary Report
Report Method ID: 1005
Page: 1 of 1

Project Name: ANIL_1
Date Printed: 9/14/2014
9:37:53 PM Asia/Calcutta
**Sample Information**

- **Sample Name:** Thiazole 821
- **Sample Type:** Unknown
- **Vial:** 1
- **Injection #:** 36
- **Injection Volume:** 10.00 ul
- **Run Time:** 12.0 Minutes

**Acquired By:** System
**Sample Set Name:**
**Acq. Method Set:** poonam
**Processing Method:** S9
**Channel Name:** 250.0 nm
**Proc. Chnl. Descr.:** PDA 250.0 nm

**Date Acquired:** 9/14/2014 12:35:04 AM IST
**Date Processed:** 9/14/2014 12:56:22 AM IST

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**Processed Channel Descr.: PDA 250.0 nm**

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<td>1 PDA 250.0 nm</td>
<td>2.648</td>
<td>201433</td>
<td>99.13</td>
<td>48197</td>
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<td>2 PDA 250.0 nm</td>
<td>3.037</td>
<td>900</td>
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<td>183</td>
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<td>3 PDA 250.0 nm</td>
<td>3.171</td>
<td>652</td>
<td>0.32</td>
<td>158</td>
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<tr>
<td>4 PDA 250.0 nm</td>
<td>3.689</td>
<td>219</td>
<td>0.11</td>
<td>72</td>
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**Reported by User:** System
**Report Method:** Injection Summary Report
**Report Method ID:** 1005
**Page:** 1 of 1

**Project Name:** ANIL_1
**Date Printed:** 9/14/2014
**12:57:41 AM Asia/Calcutta**
**SAMPLE INFORMATION**

- Sample Name: 9f
- Sample Type: Unknown
- Vial: 1
- Injection #: 14
- Injection Volume: 10.00 ul
- Run Time: 12.0 Minutes
- Date Acquired: 9/15/2014 12:29:41 AM IST
- Date Processed: 9/15/2014 12:46:31 AM IST

**Processed Channel Descr.: PDA 250.0 nm**

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<td>1  PDA 250.0 nm</td>
<td>2.895</td>
<td>1402</td>
<td>0.50</td>
<td>323</td>
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<td>2  PDA 250.0 nm</td>
<td>3.191</td>
<td>249911</td>
<td>69.62</td>
<td>45766</td>
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<tr>
<td>3  PDA 250.0 nm</td>
<td>3.538</td>
<td>2276</td>
<td>0.82</td>
<td>302</td>
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<tr>
<td>4  PDA 250.0 nm</td>
<td>4.224</td>
<td>25270</td>
<td>9.06</td>
<td>887</td>
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Reported by User: System
Report Method: Injection Summary Report
Project Name: ANIL_1
Date Printed: 9/15/2014 12:47:04 AM Asia/Calcutta
**SAMPLE INFORMATION**

- Sample Name: 11a
- Sample Type: Unknown
- Vial: 1
- Injection #: 4
- Injection Volume: 10.00 ul
- Run Time: 12.0 Minutes

**Acquired By:** System
**Sample Set Name:**
**Acq. Method Set:** poonam
**Processing Method:** S15
**Channel Name:** 250.0nm
**Proc. Chnl. Descr.:** PDA 250.0 nm

**Date Acquired:** 9/15/2014 6:36:21 PM IST
**Date Processed:** 9/15/2014 6:57:41 PM IST

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**Processed Channel Descr.: PDA 250.0 nm**

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<td>1  PDA 250.0 nm</td>
<td>2.720</td>
<td>8694</td>
<td>4.29</td>
<td>1396</td>
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<td>2  PDA 250.0 nm</td>
<td>3.165</td>
<td>10141</td>
<td>5.00</td>
<td>1522</td>
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<tr>
<td>3  PDA 250.0 nm</td>
<td>3.286</td>
<td>16853</td>
<td>8.31</td>
<td>3704</td>
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<tr>
<td>4  PDA 250.0 nm</td>
<td>3.735</td>
<td>167029</td>
<td>82.39</td>
<td>38681</td>
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**Reported by User:** System
**Report Method:** Injection Summary Report
**Report Method ID:** 1005
**Page:** 1 of 1

**Project Name:** ANL_1
**Date Printed:** 9/15/2014
**Time:** 6:59:27 PM Asia/Calcutta
**SAMPLE INFORMATION**

Sample Name: 4-chlorophenylimidazopyridine
Sample Type: Unknown
Vial: 1
Injection #: 19
Injection Volume: 10.00 ul
Run Time: 12.0 Minutes

Date Acquired: 9/7/2014 5:13:29 PM IST
Date Processed: 9/13/2014 4:47:31 PM IST

Acquired By: System
Sample Set Name: poonam
Acq. Method Set: 4-chlorophenylimidazopyridine 1
Processing Method: 250.0 nm
Channel Name: 4-chlorophenylimidazopyridine 1
Proc. Chnl. Descr.: PDA 250.0 nm

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Channel: 2998; Processed Channel: PDA 250.0 nm; Result Id: 2077; Processing Method: 4-chlorophenylimidazopyridine 1

Processed Channel Descr.: PDA 250.0 nm

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<tr>
<td>1</td>
<td>0.063</td>
<td>108</td>
<td>0.01</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td>2.769</td>
<td>7487</td>
<td>0.61</td>
<td>888</td>
</tr>
<tr>
<td>3</td>
<td>2.886</td>
<td>9605</td>
<td>0.79</td>
<td>1364</td>
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<tr>
<td>4</td>
<td>3.249</td>
<td>1201170</td>
<td>98.59</td>
<td>250449</td>
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Reported by User: System
Report Method: Injection Summary Report
Report Method ID: 1005
Page: 1 of 1

Project Name: ANIL_1
Date Printed: 9/13/2014 4:49:07 PM Asia/Calcutta
**SAMPLE INFORMATION**

- **Sample Name:** 4-bromophenylmidazopyridine
- **Sample Type:** Unknown
- **Vial:** 1
- **Injection #:** 42
- **Injection Volume:** 10.00 ul
- **Run Time:** 12.0 Minutes
- **Date Acquired:** 9/7/2014 12:41:30 AM IST
- **Date Processed:** 9/13/2014 4:50:36 PM IST

**Processed Channel Descr.: PDA 250.0 nm**

<table>
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<tr>
<td>1 PDA 250.0 nm</td>
<td>2.057</td>
<td>418</td>
<td>0.02</td>
<td>109</td>
</tr>
<tr>
<td>2 PDA 250.0 nm</td>
<td>2.223</td>
<td>5934</td>
<td>0.28</td>
<td>1070</td>
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<tr>
<td>3 PDA 250.0 nm</td>
<td>3.211</td>
<td>2115550</td>
<td>99.70</td>
<td>435424</td>
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SAMPLE INFORMATION

Sample Name: S-341
Sample Type: Unknown
Vial: 1
Injection #: 14
Injection Volume: 10.00 ul
Run Time: 20.0 Minutes

Acquired By: System
Sample Set Name: poonam
Acq. Method Set: s341
Processing Method: 250.0 nm
Channel Name: 250.0 nm
Proc. Chnl. Descr.: PDA 250.0 nm

Date Acquired: 9/6/2014 8:35:16 PM IST
Date Processed: 9/6/2014 8:58:24 PM IST

Processed Channel Descr.: PDA 250.0 nm

<table>
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<tbody>
<tr>
<td>1 PDA 250.0 nm</td>
<td>2.18</td>
<td>555</td>
<td>0.03</td>
<td>157</td>
</tr>
<tr>
<td>2 PDA 250.0 nm</td>
<td>2.29</td>
<td>1395</td>
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<td>3 PDA 250.0 nm</td>
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<td>1942544</td>
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Project Name: ANIL_1
Date Printed: 9/6/2014
6:58:55 PM Asia/Calcutta
**SAMPLE INFORMATION**

- **Sample Name:** S-336
- **Sample Type:** Unknown
- **Vial:** 1
- **Injection #:** 30
- **Injection Volume:** 10.00 ul
- **Run Time:** 12.0 Minutes
- **Date Acquired:** 9/7/2014 7:39:53 PM IST
- **Date Processed:** 9/7/2014 7:55:03 PM IST

![Chemical Structure](image)

**Processed Channel Descr.: PDA 250.0 nm**

<table>
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<th>Height</th>
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<td>1 PDA 250.0 nm</td>
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<td>0.00</td>
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<tr>
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<td>2.540</td>
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<td>0.24</td>
<td>484</td>
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<tr>
<td>4 PDA 250.0 nm</td>
<td>3.235</td>
<td>1446239</td>
<td>99.63</td>
<td>260543</td>
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</table>

**Channel:** 2998; **Processed Channel:** PDA 250.0 nm; **Result Id:** 1467; **Processing Method:** S336 Thiophene imidazopyridine