## Supporting Information

### Synthesis and Biological Activity of 2-Aminoimidazole Triazoles Accessed by Suzuki-Miyaura Cross-Coupling

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 6</td>
<td>S2</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 2</td>
<td>S3</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8a</td>
<td>S4</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8b</td>
<td>S5</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8c</td>
<td>S6</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8d</td>
<td>S7</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8e</td>
<td>S8</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8f</td>
<td>S9</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8g</td>
<td>S10</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8h</td>
<td>S11</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8i</td>
<td>S12</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8j</td>
<td>S13</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8k</td>
<td>S14</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8l</td>
<td>S15</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8m</td>
<td>S16</td>
</tr>
<tr>
<td>(^1)H and (^{13})C NMR of Compound 8n</td>
<td>S17</td>
</tr>
<tr>
<td>Biofilm Inhibition Dose-response Curves vs MRSA for Compounds 8g, 8i and 8j</td>
<td>S18</td>
</tr>
<tr>
<td>Biofilm Dispersion Dose-response Curves vs A. baumannii for Compounds 8g, 8h, 8i and 8j</td>
<td>S19</td>
</tr>
<tr>
<td>Growth Curve Plots for Compounds 8g, 8i and 8j</td>
<td>S20</td>
</tr>
</tbody>
</table>
$^1$H and $^{13}$C NMR of Compound 6
$^1$H and $^{13}$C NMR of Compound 2

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$^1$H and $^{13}$C NMR of Compound 8a
$^1$H and $^{13}$C NMR of Compound 8b
$^1$H and $^{13}$C NMR of Compound 8c

[Chemical structure image]

[Graph showing NMR spectra]
$^1$H and $^{13}$C NMR of Compound 8d
$^1$H and $^{13}$C NMR of Compound 8e
$^{1}H$ and $^{13}C$ NMR of Compound 8f
$^1$H and $^{13}$C NMR of Compound 8g

![NMR Spectra](image)
$^1$H and $^{13}$C NMR of Compound 8h
$^1$H and $^{13}$C NMR of Compound 8i
$^1$H and $^{13}$C NMR of Compound 8j
$^1$H and $^{13}$C NMR of Compound 8k
$^1$H and $^{13}$C NMR of Compound 81
$^1\text{H}$ and $^{13}\text{C}$ NMR of Compound 8m
$^1$H and $^{13}$C NMR of Compound 8n
Biofilm Inhibition Dose-response Curves

**Biofilm Inhibition of 8g vs MRSA**

- Equation: \( y = 43.426 \ln(x) - 57.44 \)
- \( R^2 = 0.8857 \)
- \( \text{IC}_{50} = 11.871 \text{ µM} \)

**Biofilm Inhibition of 8g vs MRSA**

- Equation: \( y = 25.685 \ln(x) - 2.9057 \)
- \( R^2 = 0.9513 \)
- \( \text{IC}_{50} = 7.844 \text{ µM} \)

**Biofilm Inhibition of 8i vs MRSA**

- Equation: \( y = 80.344 \ln(x) - 115.03 \)
- \( R^2 = 0.9491 \)
- \( \text{IC}_{50} = 7.799 \text{ µM} \)

**Biofilm Inhibition of 8i vs MRSA**

- Equation: \( y = 67.483 \ln(x) - 100.44 \)
- \( R^2 = 0.8681 \)
- \( \text{IC}_{50} = 9.293 \text{ µM} \)

**Biofilm Inhibition of 8j vs MRSA**

- Equation: \( y = 56.353 \ln(x) - 39.268 \)
- \( R^2 = 0.9542 \)
- \( \text{IC}_{50} = 4.87 \text{ µM} \)

**Biofilm Inhibition of 8j vs MRSA**

- Equation: \( y = 42.659 \ln(x) - 10.409 \)
- \( R^2 = 0.8128 \)
- \( \text{IC}_{50} = 4.12 \text{ µM} \)

\( \text{IC}_{50} = 9.858 \pm 2.844 \text{ µM} \)

\( \text{IC}_{50} = 8.546 \pm 1.056 \text{ µM} \)

\( \text{IC}_{50} = 4.50 \pm 0.53 \text{ µM} \)
Biofilm Dispersion Dose-response Curves

**Biofilm Dispersion of 8g vs A. baumannii**

\[ y = 39.339\ln(x) - 107.26 \]
\[ R^2 = 0.9739 \]
\[ EC_{50} = 54.465 \mu M \]

**Biofilm Dispersion of 8h vs A. baumannii**

\[ y = 40.422\ln(x) - 109.33 \]
\[ R^2 = 0.9608 \]
\[ EC_{50} = 56.297 \mu M \]

**Biofilm Dispersion of 8i vs A. baumannii**

\[ y = 46.647\ln(x) - 125.57 \]
\[ R^2 = 0.9497 \]
\[ EC_{50} = 46.292 \mu M \]

EC\(_{50}\) = 59.614±7.282 \mu M
EC\(_{50}\) = 53.900±3.389 \mu M
EC\(_{50}\) = 44.7018±2.248 \mu M

**Biofilm Dispersion of 8g vs A. baumannii**

\[ y = 38.554\ln(x) - 110.79 \]
\[ R^2 = 0.9952 \]
\[ EC_{50} = 64.765 \mu M \]

**Biofilm Dispersion of 8h vs A. baumannii**

\[ y = 31.384\ln(x) - 76.498 \]
\[ R^2 = 0.9612 \]
\[ EC_{50} = 56.297 \mu M \]

**Biofilm Dispersion of 8i vs A. baumannii**

\[ y = 32.871\ln(x) - 76.059 \]
\[ R^2 = 0.9618 \]
\[ EC_{50} = 53.900±3.389 \mu M \]
Biofilm Disperion of 8j vs *A. baumannii*

\[
y = 34.905 \ln(x) - 83.612
\]

\[R^2 = 0.9645\]

\[EC_{50} = 45.965 \mu M\]

\[
y = 23.442 \ln(x) - 42.979
\]

\[R^2 = 0.8984\]

\[EC_{50} = 52.791 \mu M\]

EC_{50} = 49.378±4.827 \mu M

Growth curve plots for Compounds 8g, 8i and 8j vs MRSA at respective IC_{50} concentrations