Supporting Information

SYNTHESIS AND BIOLOGICAL ACTIVITY OF AMINOISOQUINOLINE SCHIFF BASE

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Compound 1
Compound 2
Compound 3a
Compound 3b
Compound 3c
Elemental Composition Report

Single Mass Analysis
Tolerance = 20.0 PPM  /  DBE: min = -1.5, max = 50.0
Element prediction: Off
Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ion
366 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)
Elements Used:
C: 15-16  H: 11-11  N: 0-8  O: 0-20  Cl: 1-4

97255-5367 (0.441)

Minimum: ~1.5
Maximum: 5.0  20.0  50.0

<table>
<thead>
<tr>
<th>Mass</th>
<th>Calc. Mass</th>
<th>m/z</th>
<th>CPE</th>
<th>DBE</th>
<th>i-FIT</th>
<th>Norm</th>
<th>Conf (%0)</th>
<th>Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>312.0047</td>
<td>312.0040</td>
<td>0.7</td>
<td>2.2</td>
<td>12.3</td>
<td>433.5</td>
<td>n/a</td>
<td>n/a</td>
<td>C10 H11 N2 O2 Cl</td>
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</tbody>
</table>

Compound 3d
Compound 3e
Compound 3f
**Elemental Composition Report**

**Single Mass Analysis**

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron ion

25 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

Elements Used:

- C: 16-16
- H: 10-10
- N: 0-8
- Cl: 1-4

<table>
<thead>
<tr>
<th>Mass</th>
<th>Calc. Mass</th>
<th>m/z</th>
<th>PPM</th>
<th>DBE</th>
<th>i-FIT</th>
<th>Norm</th>
<th>Conf (%)</th>
<th>Formula</th>
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</thead>
<tbody>
<tr>
<td>334.0915</td>
<td>334.0910</td>
<td>0.5</td>
<td>1.5</td>
<td>11.5</td>
<td>410.8</td>
<td>n/a</td>
<td>n/a</td>
<td>C16 H10 N2 Cl3</td>
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**Compound 3g**
Compound 3h
Compound 3i
Compound 3j
Compound 3k
Compound 3l
Elemental Composition Report

Single Mass Analysis
Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0
Element prediction: Off
Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions
269 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)
Elements Used:
  C: 16-16  H: 12-12  N: 0-8  O: 0-20  Cl: 1-4

<table>
<thead>
<tr>
<th>Mass</th>
<th>Calc. Mass</th>
<th>PPM</th>
<th>DBE</th>
<th>i-FIT</th>
<th>Note</th>
<th>Conf (%)</th>
<th>Formula</th>
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</thead>
<tbody>
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<td>267.0693</td>
<td>267.0699</td>
<td>0.4</td>
<td>1.5</td>
<td>11.5</td>
<td>n/a</td>
<td>n/a</td>
<td>C16 H12 N2 Cl</td>
</tr>
</tbody>
</table>

Minimum:  1.5
Maximum:  5.0
Minimum:  5.0
Maximum:  50.0