High Performance Liquid Chromatography

1. Analysis Information

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>GDC-0449 (Vismodegib)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operator:</td>
<td>David</td>
</tr>
<tr>
<td>Injection Date:</td>
<td>9/16/2015 2:07:19 PM</td>
</tr>
<tr>
<td>Batch No.:</td>
<td>3</td>
</tr>
</tbody>
</table>

2. HPLC Condition

<table>
<thead>
<tr>
<th>Column:</th>
<th>Athena C18, 3 μm, 2.1mm × 100 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent A:</td>
<td>0.1% H3PO4 in 100% Acetonitrile</td>
</tr>
<tr>
<td>Solvent B:</td>
<td>0.1% H3PO4 in 100% Water</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gradient:</th>
<th>Time</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.0min</td>
<td>10%</td>
<td>90%</td>
</tr>
<tr>
<td></td>
<td>3.5min</td>
<td>95%</td>
<td>5%</td>
</tr>
<tr>
<td></td>
<td>8.0min</td>
<td>95%</td>
<td>5%</td>
</tr>
<tr>
<td></td>
<td>9.0min</td>
<td>10%</td>
<td>90%</td>
</tr>
<tr>
<td></td>
<td>10.0min</td>
<td>10%</td>
<td>90%</td>
</tr>
<tr>
<td></td>
<td>10.0min</td>
<td>Stop</td>
<td>Stop</td>
</tr>
</tbody>
</table>

| Flow rate: | 0.4ml/min |
| Wavelength: | 261nm |
| Volume: | 10μl |

3. Result

<table>
<thead>
<tr>
<th>Rank</th>
<th>RetTime(min)</th>
<th>Area(mAU*s)</th>
<th>Area %</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4.045</td>
<td>6721.61572</td>
<td>99.2899</td>
</tr>
<tr>
<td>2</td>
<td>4.306</td>
<td>17.65189</td>
<td>0.2607</td>
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<tr>
<td>3</td>
<td>4.589</td>
<td>6.59103</td>
<td>0.0974</td>
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<td>4</td>
<td>4.777</td>
<td>15.54915</td>
<td>0.2297</td>
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<tr>
<td>5</td>
<td>4.877</td>
<td>8.27991</td>
<td>0.1223</td>
</tr>
</tbody>
</table>

CAUTION: For research use only. Not for human use.

ApexBio Tech LLC
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