LC-MS Analytical Report

<table>
<thead>
<tr>
<th>MedKoo#</th>
<th>Product name</th>
<th>Lot#</th>
<th>Test date</th>
</tr>
</thead>
<tbody>
<tr>
<td>201550</td>
<td>INNO-206 HCl</td>
<td>KB20120319</td>
<td>5/4/2013</td>
</tr>
</tbody>
</table>

The LC(UV)/MS analysis was performed in Metabolomics Laboratory of Roy J. Carver Biotechnology Center in University of Illinois at Urbana-Champaign.

Experimental Condition:
1. Instrument: Agilent LC/MS system (1100 HPLC and MSD Trap XCT Plus mass spectrometer with UV-Vis detector).
2. HPLC condition:
   (1) Mobile phase A: H2O with 0.1% formic acid; Mobile phase B: ACN with 0.1% formic acid.
   (2) Flow rate: 0.25 ml/min.
   (3) Column: Phenomenex Gemini 3u C6-phenyl 110 A (100 × 2 mm).
   (4) Gradient: 0-1min, 100%A; 5-15min, 0%A.
3. MS condition: Nebulizer, dry gas and dry temperature are 30 psi, 8L/min, and 350ºC, respectively.

INNO-206 HCl (dissolved in 300µl DMSO + 100 µl MeOH):

LC/MS Total Ion Chromatogram (positive electrospray ionization) 5.7 min
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UV Chromatogram at 254nm

Mass Spectrum for Peak at 5.7 min (positive electrospray ionization)

Free base format of INNO-206 HCl’s monoisotopic mass is 750.3, thus in the positive electrospray mass spectrum, m/z 751.6 ([M+H]+) is observed.

Note: The ion trap mass spectrometer is low resolution instrument.
INNO-206

400MHz $^{13}$CNMR MeOD-$d_4$

MedKoo#201550
INNO-206•HCl
CAS#480998-12-7
Lot# KB20120319
Chemical Formula: C37H43ClN4O13
Molecular Weight: 787.21

MedKoo Biosciences
Product Quality Control Data
www.medkoo.com | sales@medkoo.com

INNO-206
INNO-206: LC-MS analysis

MedKoo Biosciences
Product Quality Control Data
www.medkoo.com | sales@medkoo.com

Acq. File: sl-102-0314.wiff
Sample Name: sl-102-0314
Sample Number: N/A

TIC of +Q1: from Sample 2 (sl-102-0314) of sl-102-0314.wiff (Turbo Spray) Max. 3.3e7 cps.

+Q1: 7.119 min from Sample 2 (sl-102-0314) of sl-102-0314.wiff (Turbo Spray), Centroided Max. 6.3e6 cps.

MedKoo#201550
INNO-206·HCl
CAS#480998-12-7
Lot# KB20120319
Chemical Formula: C37H43CIN4O13
Molecular Weight: 787.21

Chemical Formula: C37H43CIN4O13
Exact Mass: 750.27484
Molecular Weight: 750.74838
HPLC Report

(MedKoo Code #201550, INNO206)

Acq. Operator: 
Sample Name: sl-102-0313

Injection Date: Thu, 15. Mar. 2012 Seq Line: 3
Data File: D:\DATA\RAW DATA\2012-03\DEF_LC2012-03-1309-54-19\002-0301.D
Location: Vial 2
Inj. No.: 1
Inj. Vol.: 2 μl
Acq. Method: D:\DATA\RAW DATA\2012-03\DEF_LC2012-03-1309-54-19\LC->
Last Changed: (modified after loading)
Analysis Method: D:\DATA\RAW DATA\2012-03\DEF_LC2012-03-1309-54-19\002-0301.D\DA.M (LC-15MIN.M)
Last Changed: Tue, 13. Mar. 2012, 10:52:10 am
(modified after loading)
Method Info: Instrument: Agilent 1100 HPLC
Column:C18, 4.6*150mm, 3.5um

(Peak analysis in next page)
HPLC Report
(MedKoo Code #201550, INN0206)

Acq. Operator: 
Sample Name: sl-102-0313

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Area Percent Report
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Sorted By Signal
Calib. Data Modified: Thu, 1. Jan. 2012, 08:00:00 am
Multiplier: 1.000000
Dilution: 1.000000
Uncalibrated Peaks: not reported
---

### Signal 1: DAD1 A, Sig=220,16 Ref=off

<table>
<thead>
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<th>Peak</th>
<th>RT (min)</th>
<th>Type</th>
<th>Width (min)</th>
<th>Height</th>
<th>Area</th>
<th>Area%</th>
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</thead>
<tbody>
<tr>
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<td>6.695</td>
<td>BB</td>
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<td>0.186</td>
<td>3.738</td>
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<tr>
<td>2</td>
<td>8.184</td>
<td>BB</td>
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<td>0.210</td>
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<tr>
<td>3</td>
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<td>BB</td>
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<tr>
<td>5</td>
<td>12.322</td>
<td>BB</td>
<td>0.090</td>
<td>0.242</td>
<td>7.595</td>
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</tbody>
</table>

### Signal 2: DAD1 B, Sig=254,16 Ref=off

<table>
<thead>
<tr>
<th>Peak</th>
<th>RT (min)</th>
<th>Type</th>
<th>Width (min)</th>
<th>Height</th>
<th>Area</th>
<th>Area%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9.042</td>
<td>MM</td>
<td>0.109</td>
<td>0.217</td>
<td>5.275</td>
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</tr>
<tr>
<td>2</td>
<td>9.430</td>
<td>BB</td>
<td>0.115</td>
<td>0.394</td>
<td>8.967</td>
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</tr>
<tr>
<td>3</td>
<td>12.322</td>
<td>BB</td>
<td>0.090</td>
<td>0.242</td>
<td>7.595</td>
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*** End of Report ***