<table>
<thead>
<tr>
<th>MedKoo Product Cat#:</th>
<th>Product Name:</th>
<th>Lot#</th>
</tr>
</thead>
<tbody>
<tr>
<td>200694</td>
<td>Celastrol</td>
<td>AKC31209</td>
</tr>
</tbody>
</table>

Celastrol NMR analysis  
Solvent = DMSO-d6
# HPLC Report

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Instrument: Agilent Technologies 1200 Series  
Inj. Volume (Method): 50 μl  
Column: Eclipse XDB-c18, 5 μm, 4.6*150 mm  
Flow Rate: 1.2 ml/min  
Mobile Phase A: water (0.01% TFA) B: ACN (0.01%TFA)  
Gradient: 0min 5%B, 3min 5%B, 10min 95%B, 15min 95%B  
Detection Wavelength (nm): 220 nm.

(Peak analysis in next page)
# HPLC Report

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Customized Report: Performance Report per Signal
This report template has been designed for uncalibrated methods.

Signal: VWD1 A, Wavelength=220 nm

<table>
<thead>
<tr>
<th>RetTime [min]</th>
<th>Area [mAU*s]</th>
<th>Area%</th>
<th>Peak height [mAU]</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.278</td>
<td>88979920.000</td>
<td>100</td>
<td>723981.313</td>
<td></td>
</tr>
<tr>
<td>total</td>
<td>88979920.000</td>
<td>100</td>
<td>723981.313</td>
<td></td>
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</table>
LC-MS Analytical Report

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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 3µ C6-phenyl 110 Å (100 × 2 mm).
   (4) Gradient: 0–1 min, 50% A; 5–8.5 min, 0% A.

3. MS condition: Nebulizer, dry gas and dry temperature are 30 psi, 8L/min, and 350ºC, respectively.

Celastrol (dissolved in DMSO and MeOH):

UV Chromatogram at 250 nm

Solvent

7.3 min
## LC-MS Analytical Report

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### Chemical structure

![Chemical Structure Image]

### CAS# and Theoretical analysis

- **MedKoo Code#:** 200694
- **Name:** Celastrol
- **CAS#:** 34157-83-0
- **Lot#AKC31209 Chemical**
- **Formula:** C_{29}H_{38}O_{4}
- **Exact Mass:** 450.27701
- **Molecular Weight:** 450.61

### Mass Spectrum

Mass Spectrum for above Peak at 7.3 min (positive electrospray ionization)

![Mass Spectrum Graph]

**[M + H]^+**