Supporting Information

Antibacterial and Antioxidant Xanthones and Benzophenone from *Garcinia smeathmannii*

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$^1$H NMR of compound 1.

$^{13}$C NMR of compound 1.
HMQC NMR of compound 1.

HMBC NMR of compound 1.
EI mass of compound 1.
HR-EI mass of compound 1.

**1H NMR of compound 2.**
\[^{13}\text{C} \text{NMR of compound 2.}\]

\[^{1}H \text{MQC NMR of compound 2.}\]
HMBC NMR of compound 2.

ESI mass of compound 2.
### Accurate Mass Measurement

<table>
<thead>
<tr>
<th>Sample Name</th>
<th>TG0442-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample Supplier</td>
<td>Fourea, Hagen</td>
</tr>
<tr>
<td>Sample Filename</td>
<td>S/AXISvalidd10CC0C_Fourea_0312_TG0442-34</td>
</tr>
<tr>
<td>Instrument</td>
<td>Bruker FT-ICR: APIX II (7.0 T)</td>
</tr>
<tr>
<td>Ionization Method</td>
<td>ESI</td>
</tr>
<tr>
<td>Matching Method</td>
<td>HR with external calibration</td>
</tr>
<tr>
<td>Resolution</td>
<td>&gt; 20000</td>
</tr>
<tr>
<td>Substance Isotopic</td>
<td>ESI-mass-Spray ESI</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Measured Ion Mass(es)</th>
<th>32108391</th>
<th>Deviation (m/z)</th>
<th>0.90</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculated Ion Mass(es)</td>
<td>32108391</td>
<td>Deviation (ppm)</td>
<td>1.53</td>
</tr>
</tbody>
</table>

**Potential Molecular Formula:** C16H10O6N+ve

Comment: Measured and calculated masses are fractional masses, taking into account the mass of one (or several) counterions.

Bielefeld, 15.02.2010

HR-ESI mass of compound 2.