Supporting Information to:

Determination of Naphthazarin Derivatives in Endemic Turkish Alkanna Species by Reversed Phase High Performance Liquid Chromatography

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Effect of Different Solvents on the Amounts of Alkannins in Solution

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Peak area (mAU*s)</th>
<th>Total alkannin (µg/mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-hexane</td>
<td>114.34</td>
<td>10.87</td>
</tr>
<tr>
<td>chloroform</td>
<td>101.90</td>
<td>9.78</td>
</tr>
<tr>
<td>chilled methanol</td>
<td>85.21</td>
<td>8.33</td>
</tr>
<tr>
<td>methanol</td>
<td>27.29</td>
<td>3.29</td>
</tr>
</tbody>
</table>

Impact of Hydrolysis Conditions on the Formation Of Free Alkannins

Sample 3 is shown; the ratio between volume of sample solution (2 mg of hexane extract per ml methanol) to 1 N NaOH is given for each chromatogram.
LC-MS-analysis of an unhydrolyzed sample (sample 9)

Region of esters

ESI positive, TIC

ESI negative, TIC

UV, 520 nm

ESI positive EIC, m/z = 288.8

MS-spectra (ESI +) of major compounds in the ester region
LC-MS Analysis of a Hydrolyzed Sample Preparation (Sample 9)

TIC = total ion current; EIC = extracted ion current; Mr of alkannin/shikonin = 288.30