**Supporting information**

**Table S1 Time-Dependent Changes in Plasma Luteolin-3’-O-glucuronide Concentration**

<table>
<thead>
<tr>
<th>Time (h)</th>
<th>Luteolin administration</th>
<th>Luteolin-7-O-glucoside administration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Concentrations (µM)</td>
<td>Concentrations (µg/L)</td>
</tr>
<tr>
<td>0</td>
<td>n.d.*</td>
<td>n.d.*</td>
</tr>
<tr>
<td>1</td>
<td>1.86 ± 1.53</td>
<td>858 ± 705</td>
</tr>
<tr>
<td>3</td>
<td>4.05 ± 3.88</td>
<td>1873 ± 1793</td>
</tr>
<tr>
<td>6</td>
<td>2.99 ± 1.42</td>
<td>1381 ± 658</td>
</tr>
<tr>
<td>12</td>
<td>1.18 ± 0.94</td>
<td>547 ± 435</td>
</tr>
<tr>
<td>24</td>
<td>0.04 ± 0.06</td>
<td>19 ± 26</td>
</tr>
</tbody>
</table>

Data are mean ± SE (n = 4-5). *n.d. = not detected
Supporting information

Table S2 Tissue Concentrations of Luteolin-3’-O-glucuronide, Luteolin-4’-O-glucuronide and Luteolin-7-O-glucuronide at 6 h after Oral Administration

<table>
<thead>
<tr>
<th></th>
<th>Luteolin-3’-O-glucuronide</th>
<th>Luteolin-4’-O-glucuronide</th>
<th>Luteolin-7-O-glucuronide</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Concentration (nmol/g)</td>
<td>Concentration (µg/g)</td>
<td>Concentration (µmol/g)</td>
</tr>
<tr>
<td>Liver</td>
<td>0.80 ± 0.13</td>
<td>0.37 ± 0.06</td>
<td>0.42 ± 0.10</td>
</tr>
<tr>
<td>Kidney</td>
<td>1.67 ± 0.41</td>
<td>0.77 ± 0.19</td>
<td>0.57 ± 0.16</td>
</tr>
<tr>
<td>Small intestine</td>
<td>4.75 ± 2.99</td>
<td>2.20 ± 1.38</td>
<td>2.40 ± 1.63</td>
</tr>
<tr>
<td>Liver</td>
<td>1.19 ± 0.75</td>
<td>0.55 ± 0.35</td>
<td>0.40 ± 0.24</td>
</tr>
<tr>
<td>Kidney</td>
<td>1.01 ± 0.12</td>
<td>0.46 ± 0.06</td>
<td>0.29 ± 0.05</td>
</tr>
<tr>
<td>Small intestine</td>
<td>1.37 ± 0.93</td>
<td>0.63 ± 0.43</td>
<td>0.34 ± 0.27</td>
</tr>
</tbody>
</table>

Data are mean ± SE (n = 3)