## Overview

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Isoorientin</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Selective Cyclooxygenase-2 (COX-2) inhibitor.</td>
</tr>
<tr>
<td><strong>Biological description</strong></td>
<td>C-glycosyl flavone that can be isolated from the passion flower, and several other species of plants. Has anti-inflammatory, antimicrobial and antioxidant properties. Selective Cyclooxygenase-2 (COX-2) inhibitor.</td>
</tr>
</tbody>
</table>

## Properties

<table>
<thead>
<tr>
<th><strong>Chemical name</strong></th>
<th>2-(3,4-Dihydroxyphenyl)-6-β-D-glucopyranosyl-5,7-dihydroxy-4H-1-benzopyran-4-one</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Molecular weight</strong></td>
<td>448.38</td>
</tr>
</tbody>
</table>

### Chemical structure

![Chemical structure](image)

<table>
<thead>
<tr>
<th><strong>Molecular formula</strong></th>
<th>C_{21}H_{20}O_{11}</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAS Number</strong></td>
<td>4261-42-1</td>
</tr>
</tbody>
</table>

### Storage instructions

Store at -20°C. Store In the Dark. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes.

### Solubility overview

DMSO

### Handling

Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions (FAQ) page](#) for more details.

### Source

Synthetic

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