**Imperatorin**

**Cat. No.:** N1859  
**CAS No.:** 432-44-0  
**Formula:** C16H14O4  
**M.Wt:** 270.28  
**Synonyms:** Ammidin, 8-Isopentenyloxysoralen; 9-(3-Methylbut-2-enyloxy)-7H-furo[3,2-g]chromen-7-one  
**Target:** Natural Products  
**Pathway:**  
**Storage:** Store at 20°C

### Solvent & Solubility

≥26.8 mg/mL in DMSO; insoluble in EtOH; insoluble in H2O

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass</th>
<th>1mg</th>
<th>5mg</th>
<th>10mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td></td>
<td>3.6999 mL</td>
<td>18.4993 mL</td>
<td>36.9987 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td></td>
<td>0.7400 mL</td>
<td>3.6999 mL</td>
<td>7.3997 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td></td>
<td>0.3700 mL</td>
<td>1.8499 mL</td>
<td>3.6999 mL</td>
</tr>
</tbody>
</table>

Please refer to the solubility information to select the appropriate solvent.

### Biological Activity

**Shortsummary**  
anti-cancer medicine, induces cell apoptosis

**IC₅₀ & Target**

**Cell Viability Assay**

**Preparation method:**

**Animal experiment**

**Applications:**

### Product Citations

References

Caution

FOR RESEARCH PURPOSES ONLY.
NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.
Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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