**Product Name:** Nigericin sodium salt

**Cat. No.:** B7844  
**CAS No.:** 28643-80-3  
**Formula:** C40H67NaO11  
**M.Wt:** 746.94

**Synonyms:**
- Nigericin
- Nigericin sodium salt

**Target:**
- Ionophore that exchanges K+ for H+ across biological membranes

**Storage:**
- Store at -20°C

**Solvent & Solubility**

- Insoluble in H2O; insoluble in DMSO; ≥74.7 mg/mL in EtOH

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Mass</th>
<th>1mg</th>
<th>5mg</th>
<th>10mg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 mM</td>
<td></td>
<td>1.3388 mL</td>
<td>6.6940 mL</td>
<td>13.3880 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.2678 mL</td>
<td>1.3388 mL</td>
<td>2.6776 mL</td>
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<tr>
<td>10 mM</td>
<td></td>
<td>0.1339 mL</td>
<td>0.6694 mL</td>
<td>1.3388 mL</td>
</tr>
</tbody>
</table>

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

**Biological Activity**

- **Shortsummary:** Ionophore that exchanges K+ for H+ across biological membranes

**Cell Viability Assay**

- **Preparation method:** Solubility <3.7 mg/mL in DMSO. If a higher concentration of solution, the general steps are as follows: please send a test tube heating at 37 °C for 10 minutes and/or place it in the ultrasonic bath in shock for a period of time. Concentrate on - 20 °C can be placed for months.

- **Reacting conditions:** 2 µM, 2 minutes

**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 APEX BIO 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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