**Nifedipine**

Cat. No.: B1988  
CAS No.: 21829-25-4  
Formula: C17H18N2O6  
M.Wt: 346.33  
Synonyms:  
Target:  
Pathway:  
Storage: Store at -20°C

### Solvent & Solubility

<table>
<thead>
<tr>
<th>Mass</th>
<th>Solvent</th>
<th>In Vitro Stock Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mg</td>
<td>1 mM</td>
<td>2.8874 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.5775 mL, 2.8874 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.2887 mL, 1.4437 mL</td>
</tr>
</tbody>
</table>

- Insoluble in H2O; ≥15.75 mg/mL in DMSO; ≥7.14 mg/mL in EtOH with ultrasonic

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

### Biological Activity

**Shortsummary**  
L-type calcium channel blocker

**IC₅₀ & Target**

- In Vitro
- In Vivo

**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. Shortterm 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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