D-Pantothenic acid hemicalcium salt

**Cat. No.:** HY-N0681  
**CAS No.:** 137-08-6

**Molecular Formula:** C₉H₁₆NO₅ · ½ Ca  
**Molecular Weight:** 238.27

**Target:** Others  
**Pathway:** Others  
**Storage:**  
- Powder: -20°C 3 years, 4°C 2 years, -80°C 6 months, -20°C 1 month

**SOLVENT & SOLUBILITY**

**In Vitro**  
H₂O: ≥ 200 mg/mL (839.38 mM)  
*“≥” means soluble, but saturation unknown.*

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td></td>
<td>4.1969 mL</td>
<td>20.9846 mL</td>
<td>41.9692 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td></td>
<td>0.8394 mL</td>
<td>4.1969 mL</td>
<td>8.3938 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td></td>
<td>0.4197 mL</td>
<td>2.0985 mL</td>
<td>4.1969 mL</td>
</tr>
</tbody>
</table>

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

**BIOLOGICAL ACTIVITY**

**Description**  
D-Pantothenic acid hemicalcium salt, a kind of water soluble vitamin, can reduce the patulin content of the apple juice. IC₅₀ value: Target: In vitro: In human dermal fibroblasts from three different donors, D-Pantothenic acid hemicalcium salt accelerates the wound healing process by increasing the number of migrating cells, their distance and hence their speed. In addition, cell division is increased and the protein synthesis changed [1].

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