Calceolarioside A

**Chemical Properties**

- **CAS No.**: 84744-28-5
- **Formula**: C23H26O11
- **Molecular Weight**: 478.44
- **Appearance**: N/A
- **Storage**: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

**Description**: Calceolarioside A shows potent activity against visceral leishmaniasis. It can induce a dose-related aggregant effect on rabbit platelets, which may be partly related to a calcium-dependent mechanism. Calceolarioside A also has potent antioxidative activity, it displays stronger scavenging potential with IC50 values of (4.15 +/- 0.07, 40.32 +/- 0.09, 2.26 +/- 0.03 microM) for OH, total ROS and scavenging of ONOO(-), respectively.

**Targets (IC50)**

- Antifection: None
- Calcium Channel: None

**In vitro**: The effect of Calceolarioside A, a phenylpropanoid glycoside (PhG), isolated from Calceolaria hypericina, was studied on rabbit platelets in vitro. METHODS AND RESULTS: Calceolarioside A induced a dose-related aggregant effect on rabbit platelets. Indomethacin did not modify the Calceolarioside A-induced aggregant effect. Furthermore, no modification was exerted by phenoxybenzamine, BW 577C, and WEB 2086 on the PhG aggregant effect. On the contrary, TMB-8, an intracellular calcium blocker, significantly reduced the PhG effect. CONCLUSIONS: The latter result suggests that Calceolarioside A aggregation may be partly related to a calcium-dependent mechanism.

**Solubility Information**

- **Solubility Information**: < 1 mg/ml refers to the product slightly soluble or insoluble

**Preparing Stock Solutions**

<table>
<thead>
<tr>
<th>Solubility</th>
<th>1mg</th>
<th>5mg</th>
<th>10mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.090 mL</td>
<td>10.451 mL</td>
<td>20.901 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.418 mL</td>
<td>2.090 mL</td>
<td>4.180 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.209 mL</td>
<td>1.045 mL</td>
<td>2.090 mL</td>
</tr>
<tr>
<td>50 mM</td>
<td>0.042 mL</td>
<td>0.209 mL</td>
<td>0.418 mL</td>
</tr>
</tbody>
</table>

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.
Reference


Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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