Kaurenoic acid

Cat. No.: HY-N1469
CAS No.: 6730-83-2
Molecular Formula: \( \text{C}_{20}\text{H}_{30}\text{O}_{2} \)
Molecular Weight: 302.45
Target: Others
Pathway: Others
Storage: -20°C, protect from light
* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

SOLVENT & SOLUBILITY

In Vitro
DMSO: 100 mg/mL (330.63 mM; Need ultrasonic)

<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>1 mM</td>
<td></td>
<td></td>
<td>3.3063 mL</td>
<td>16.5317 mL</td>
<td>33.0633 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td></td>
<td>0.6613 mL</td>
<td>3.3063 mL</td>
<td>6.6127 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td></td>
<td>0.3306 mL</td>
<td>1.6532 mL</td>
<td>3.3063 mL</td>
</tr>
</tbody>
</table>

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

In Vivo
1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-\( \beta \)-CD in saline)
   Solubility: \( \geq \) 2.5 mg/mL (8.27 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: \( \geq \) 2.5 mg/mL (8.27 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Kaurenoic acid is a diterpene from Sphagnetocila trilobata, inhibits Inflammatory Pain by the inhibition of cytokine production and activation of the NO–cyclic GMP–PKG–ATP-sensitive potassium channel signaling pathway\(^\text{[1]}\).

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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