2,3,5,4'-Tetrahydroxystilbene 2-O-β-D-glucoside

Cat. No.: HY-N0652
CAS No.: 82373-94-2
Molecular Formula: C₂₀H₂₂O₉
Molecular Weight: 406.38
Target: Others
Pathway: Others
Storage: Powder
-20°C 3 years
4°C 2 years
In solvent
-80°C 6 months
-20°C 1 month

SOLVENT & SOLUBILITY

In Vitro
DMSO : 100 mg/mL (246.08 mM; Need ultrasonic)
H₂O : 10 mg/mL (24.61 mM; Need ultrasonic)

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Mass Conc.</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td></td>
<td>2.4608 mL</td>
<td>12.3038 mL</td>
<td>24.6075 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.4922 mL</td>
<td>2.4608 mL</td>
<td>4.9215 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td>0.2461 mL</td>
<td>1.2304 mL</td>
<td>2.4608 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: PBS
   Solubility: 16.67 mg/mL (41.02 mM); Clear solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (5.12 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (5.12 mM); Clear solution
4. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (5.12 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
2,3,4',5-tetrahydroxystilbene 2-O-D-glucoside isolats from the roots of Polygonaceae species, inhibits the formation of 5-HETE, HHT and thromboxane B2, although less strongly. [1]
CUSTOMER VALIDATION


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REFERENCES


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

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