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

Cat. No.: HY-N0652
CAS No.: 82373-94-2
Molecular Formula: C_{20}H_{22}O_{9}
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: ≥ 35 mg/mL (86.13 mM)
H$_2$O: 10 mg/mL (24.61 mM; Need ultrasonic)
* “≥” means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.4608 mL</td>
<td>12.3038 mL</td>
<td>24.6075 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4922 mL</td>
<td>2.4608 mL</td>
<td>4.9215 mL</td>
</tr>
<tr>
<td>10 mM</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.

BIOLOGICAL ACTIVITY

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

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REFERENCES