Aucubin

Cat. No.: HY-N0664  
CAS No.: 479-98-1  
Molecular Formula: C₁₅H₂₂O₉  
Molecular Weight: 346.33  
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: ≥ 31 mg/mL (89.51 mM)  
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.8874 mL</td>
<td>14.4371 mL</td>
<td>28.8742 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5775 mL</td>
<td>2.8874 mL</td>
<td>5.7748 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2887 mL</td>
<td>1.4437 mL</td>
<td>2.8874 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description  
Aucubin is an iridoid glycoside with a wide range of biological activities, including anti-inflammatory, anti-microbial, anti-algesic as well as anti-tumor activities. IC50 value: Target: In vitro: Aucubin promotes neuronal differentiation and neurite outgrowth in neural stem cells cultured primarily from the rat embryonic hippocampus [1]. Aucubin significantly reversed the elevated gene and protein expression of MMP-3, MMP-9, MMP-13, iNOS, COX-2 and the production of NO induced by IL-1β challenge in rat chondrocytes [2]. In vivo:

REFERENCES


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