Eleutheroside E

**Cat. No.:** HY-N0272  
**CAS No.:** 39432-56-9  
**Molecular Formula:** C₃₄H₄₆O₁₈  
**Molecular Weight:** 742.72  
**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**

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Mass (mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mg</td>
<td>1.3464 mL</td>
</tr>
<tr>
<td>5 mg</td>
<td>6.7320 mL</td>
</tr>
<tr>
<td>10 mg</td>
<td>13.4640 mL</td>
</tr>
</tbody>
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<td>10 mM</td>
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</tbody>
</table>

DMSO: ≥ 7.5 mg/mL (10.10 mM)

* ≥ means soluble, but saturation unknown.

**Preparation of Stock Solutions**

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

**BIOLOGICAL ACTIVITY**

**Description**

Eleutheroside E, a principal component of Eleutherococcus centicosus, has anti-inflammatory and protective effects in ischemia heart. IC50 value:

In vitro: Treatment of 10 μM Eleutheroside E (EE) for 24 h increased basal glucose uptake as well as improved TNF-α-mediated suppression of glucose uptake. [2] In vivo: To investigate the effect of Eleutheroside E (EE) on arthritis, the CIA model in DBA/1 mice was used. Compared to vehicle-treated CIA mice, 15 mg/kg TG treatment and 30 and 60 mg/kg EE treatment obviously decreased the arthritis scores and body weight loss in CIA mice (P<0.01) [1].

**REFERENCES**


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

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