Sennoside B

Cat. No.: HY-N0366
CAS No.: 128-57-4
Molecular Formula: C₄₂H₃₈O₂₀
Molecular Weight: 862.74
Target: PDGFR
Pathway: Protein Tyrosine Kinase/RTK
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: 125 mg/mL (144.89 mM; Need ultrasonic)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>1 mg</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.2318 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.1159 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 >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.33 mg/mL (2.70 mM); Clear solution

2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.33 mg/mL (2.70 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Sennoside B is an anthraquinone glycoside, found in large quantities in leaves and pods of Senna (Cassia angustifolia) [1]. Sennoside B can inhibit PDGF-stimulated cell proliferation by binding to PDGF-BB and its receptor and by down-regulating the PDGFR-beta signaling pathway [2].

REFERENCES


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

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