Vitamin CK3

Cat. No.: HY-16516
CAS No.: 1085703-32-7
Molecular Formula: C₁₇H₁₆Na₂O₁₁S
Molecular Weight: 474.35
Target: Others
Pathway: Others
Storage: 4°C, sealed storage, away from moisture
* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro
DMSO: 10 mg/mL (21.08 mM; Need ultrasonic)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass (mL) 1 mg</th>
<th>Mass (mL) 5 mg</th>
<th>Mass (mL) 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>2.1081</td>
<td>10.5407</td>
<td>21.0815</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.4216</td>
<td>2.1081</td>
<td>4.2163</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.2108</td>
<td>1.0541</td>
<td>2.1081</td>
</tr>
</tbody>
</table>

SOLVENT & SOLUBILITY

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 1 mg/mL (2.11 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 1 mg/mL (2.11 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 1 mg/mL (2.11 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Vitamin CK3 is the combination of Vitamin C and vitamin K3 (100:1 ratio) and has been shown to inhibit tumor growth and lung metastasis.

REFERENCES

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

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