**Tocofersolan**

Cat. No.: HY-B0717  
CAS No.: 9002-96-4  
Molecular Weight: 1513  
Target: Others  
Pathway: Others  
Storage: Pure form -20°C 3 years  
4°C 2 years  
In solvent -80°C 6 months  
-20°C 1 month

**SOLVENT & SOLUBILITY**

In Vitro  
DMSO: 31.25 mg/mL (20.65 mM; Need ultrasonic)  
H₂O: < 0.1 mg/mL (insoluble)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent</th>
<th>Mass</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent Concentration</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 mM</td>
<td></td>
<td>0.6609 mL</td>
<td>3.3047 mL</td>
<td>6.6094 mL</td>
<td></td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.1322 mL</td>
<td>0.6609 mL</td>
<td>1.3219 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td>0.0661 mL</td>
<td>0.3305 mL</td>
<td>0.6609 mL</td>
<td></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: ≥ 2.08 mg/mL (1.37 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
   Solubility: ≥ 2.08 mg/mL (1.37 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil  
   Solubility: ≥ 2.08 mg/mL (1.37 mM); Clear solution

**BIOLOGICAL ACTIVITY**

Description  
Tocofersolan is a synthetic polyethylene glycol derivative of α-tocopherol.

**REFERENCES**

[1]. Rehim WM, et al. Antioxidant capacity in Fasciola hepatica patients before and after treatment with triclabendazole alone or in combination with