7-Ethylcamptothecin

**Cat. No.:** HY-N2108  
**CAS No.:** 78287-27-1  
**Molecular Formula:** $C_{22}H_{20}N_2O_4$  
**Molecular Weight:** 376.41  
**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 : 5 mg/mL (13.28 mM; ultrasonic and warming and heat to 60°C)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Mass</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 mM</td>
<td></td>
<td>2.6567 mL</td>
<td>13.2834 mL</td>
<td>26.5668 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.5313 mL</td>
<td>2.6567 mL</td>
<td>5.3134 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td>0.2657 mL</td>
<td>1.3283 mL</td>
<td>2.6567 mL</td>
</tr>
</tbody>
</table>

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

### BIOLOGICAL ACTIVITY

**Description**  
7-Ethylcamptothecin is one of camptothecin analogues. Camptothecin (CPT), a cytotoxic alkaloid isolated from Camptotheca acuminate, is shown to have strong antitumor activity against L1210 leukemia and Walker 256 carcinosarcoma models[1].

### REFERENCES
