Tiamulin fumarate

Cat. No.: HY-B2060A
CAS No.: 55297-96-6
Molecular Formula: C₃₂H₅₁NO₈S
Molecular Weight: 609.81
Target: Bacterial
Pathway: Anti-infection
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 : ≥ 50 mg/mL (81.99 mM)
* “≥” means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>1.6399 mL</td>
<td>8.1993 mL</td>
<td>16.3986 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.3280 mL</td>
<td>1.6399 mL</td>
<td>3.2797 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.1640 mL</td>
<td>0.8199 mL</td>
<td>1.6399 mL</td>
</tr>
</tbody>
</table>

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

BIological Activity

Description
Tiamulin is a diterpenic veterinary drug widely used in swine for the control of infectious diseases, including swine dysentery and enzootic pneumonia.

References
