**Amprolium hydrochloride**

**Cat. No.:** HY-B0937A  
**CAS No.:** 137-88-2  
**Molecular Formula:** C₁₄H₂₀Cl₂N₄  
**Molecular Weight:** 315.24  
**Target:** Parasite  
**Pathway:** Anti-infection  
**Storage:**  
- Powder: -20°C 3 years, 4°C 2 years; In solvent: -20°C 1 month, -80°C 6 months  

**SOLVENT & SOLUBILITY**

**In Vitro**  
H₂O : ≥ 200 mg/mL (634.44 mM)  
*“≥” means soluble, but saturation unknown.

<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>3.1722 mL</td>
<td>15.8609 mL</td>
<td>31.7219 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.6344 mL</td>
<td>3.1722 mL</td>
<td>6.3444 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td>0.3172 mL</td>
<td>1.5861 mL</td>
<td>3.1722 mL</td>
</tr>
</tbody>
</table>

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

**BIOLOGICAL ACTIVITY**

**Description**  
Amprolium hydrochloride is a coccidiostat used in poultry, is a thiamine analogue and blocks the thiamine transporter of Eimeria species by blocking thiamine uptake it prevents carbohydrate synthesis.

**REFERENCES**
