Spirodiclofen

Cat. No.: HY-B0826
CAS No.: 148477-71-8
Molecular Formula: C₂₁H₂₄Cl₂O₄
Molecular Weight: 411.32
Target: Parasite
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: ≥ 28 mg/mL (68.07 mM)
*“≥” means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.4312 mL</td>
<td>12.1560 mL</td>
<td>24.3120 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4862 mL</td>
<td>2.4312 mL</td>
<td>4.8624 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2431 mL</td>
<td>1.2156 mL</td>
<td>2.4312 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Spirodiclofen is a broad spectrum acaricide acting via lipid biosynthesis inhibition (LBI) with no cross resistance to currently available acaricides and with additional insecticidal properties.

REFERENCES


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