**SQ109**

**Cat. No.:** A3834  
**CAS No.:** 502487-67-4  
**Formula:** C22H38N2  
**M.Wt:** 330.55  
**Synonyms:** NSC 722041; SQ-109; SQ 109  
**Target:** Microbiology & Virology  
**Pathway:** Antibiotic  
**Storage:** Store at -20°C  

### Solvent & Solubility

**In Vitro**  
**Preparation of Stock Solutions**  

<table>
<thead>
<tr>
<th>Solvent</th>
<th>1mg</th>
<th>5mg</th>
<th>10mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>3.0253 mL</td>
<td>15.1263 mL</td>
<td>30.2526 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.6051 mL</td>
<td>3.0253 mL</td>
<td>6.0505 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.3025 mL</td>
<td>1.5126 mL</td>
<td>3.0253 mL</td>
</tr>
</tbody>
</table>

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

### Biological Activity

**Shortsummary**  
Antibiotic for treatment of pulmonary TB

**IC₅₀ & Target**  
1-0.5 μM (MIC) (Mycobacterium)

**Cell Viability Assay**

- **Preparation method:**
- **Animal experiment**

**Applications:**

### Product Citations
References

FOR RESEARCH PURPOSES ONLY.
NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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