Faropenem sodium

Cat. No.: HY-76260
CAS No.: 122547-49-3
Molecular Formula: C₁₂H₁₅NNaO₅S
Molecular Weight: 308.31
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
10 mM in DMSO

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>3.2435 mL</td>
<td>16.2174 mL</td>
<td>32.4349 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.6487 mL</td>
<td>3.2435 mL</td>
<td>6.4870 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.3243 mL</td>
<td>1.6217 mL</td>
<td>3.2435 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Faropenem sodium is an orally bioavailable penem antibiotic which can efficiently kill Mycobacterium tuberculosis.

IC₅₀ & Target
Bacterial[1]

REFERENCES


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