Hetacillin

Cat. No.: HY-16251A
CAS No.: 3511-16-8
Molecular Formula: C₁₉H₂₃N₃O₄S
Molecular Weight: 389.47
Target: Bacterial
Pathway: Anti-infection
Storage: Please store the product under the recommended conditions in the COA.

Solvent & Solubility

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Vitro</td>
<td>10 mM in DMSO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 mM</td>
<td>2.5676 mL</td>
<td>12.8380 mL</td>
<td>25.6759 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.5135 mL</td>
<td>2.5676 mL</td>
<td>5.1352 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.2568 mL</td>
<td>1.2838 mL</td>
<td>2.5676 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Hetacillin is a beta-lactam antibiotic that is part of the aminopenicillin family. It is a prodrug and it has no antibacterial activity itself, but quickly splits of acetone in the human body to form ampicillin, which is active against a variety of bacteria.

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

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