Cefonicid sodium

Cat. No.: HY-B1300
CAS No.: 61270-78-8
Molecular Formula: C_{18}H_{16}N_{6}Na_{2}O_{8}S_{3}
Molecular Weight: 586.53
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

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>DMSO: 16 mg/mL (27.28 mM; Need ultrasonic and warming)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent</td>
<td>Mass</td>
</tr>
<tr>
<td>Concentration</td>
<td></td>
</tr>
<tr>
<td>1 mM</td>
<td>1.7049 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.3410 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.1705 mL</td>
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</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Cefonicid sodium is a broad-spectrum cephalosporin antibiotic which inhibits the formation of the bacterial cell wall. Target: Antibacterial
Cefonicid sodium can inhibit the carnitine/carnitine antiprot when it is added internally and externally to proteoliposomes. It is known that the molecule contains various electroactive groups that can be detected using adsorptive square-wave stripping voltammetry. In addition, the compound can be detected in solution using UV spectroscopy at 265 nm. Cefonicid sodium is effective against Escherichia coli, Klebsiella, Citrobacter, Enterobacter, indole-negative Proteus, and Providencia.

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

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