Cefoselis sulfate

Cat. No.: HY-B0186B
CAS No.: 122841-12-7
Molecular Formula: C₁₉H₂₄N₈O₁₀S₃
Molecular Weight: 620.64
Target: Bacterial
Pathway: Anti-infection
Storage: 4°C, protect from light, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)

SOLVENT & SOLUBILITY

In Vitro DMSO : ≥ 6.4 mg/mL (10.31 mM)
* “≥” means soluble, but saturation unknown.

<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></td>
<td>1 mM</td>
<td>1.6112 mL</td>
<td>8.0562 mL</td>
<td>16.1124 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.3222 mL</td>
<td>1.6112 mL</td>
<td>3.2225 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.1611 mL</td>
<td>0.8056 mL</td>
<td>1.6112 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Cefoselis sulfate is a widely used beta-lactam antibiotic. Target: Antibacterial Cefoselis sulfate, a new parenteral cephalosporin, was active against clinical isolates of both gram-positive and gram-negative aerobic bacteria. The activity of Cefoselis (sulfate) was similar to that of cefpirome and cefepime and generally superior to that of ceftazidime. Cefoselis sulfate showed potent antibacterial activity against Hemophilus influenzae and Moraxella catarrhalis. Cefoselis sulfate was highly active against MSSA and MSCNS. Cefoselis sulfate was poor in the activity against MRSA, MRCNS, PRSP and Enterococcus faecalis, and no activity for Enterococcus faecium.

REFERENCES
