Cefotiam hydrochloride

Cat. No.: HY-B0734A
CAS No.: 66309-69-1
Molecular Formula: $\text{C}_{18}\text{H}_{25}\text{Cl}_{2}\text{N}_{9}\text{O}_{4}\text{S}_{3}$
Molecular Weight: 598.55
Target: Bacterial
Pathway: Anti-infection
Storage: Powder
-20°C 3 years
4°C 2 years
* The compound is unstable in solutions, freshly prepared is recommended.

SOLVENT & SOLUBILITY

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Solvent</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>DMSO</td>
<td>1.6707 mL</td>
<td>8.3535 mL</td>
<td>16.7070 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>DMSO</td>
<td>0.3341 mL</td>
<td>1.6707 mL</td>
<td>3.3414 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>DMSO</td>
<td>0.1671 mL</td>
<td>0.8354 mL</td>
<td>1.6707 mL</td>
</tr>
</tbody>
</table>

* “≥” means soluble, but saturation unknown.

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

BIOLOGICAL ACTIVITY

Description
Cefotiam hydrochloride (SCE-963 hydrochloride) is a parenteral cephalosporin antibiotic. Cefotiam has broad-spectrum activity against Gram-positive and Gram-negative bacteria.

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

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