Sisomicin sulfate

Cat. No.: HY-B1222
CAS No.: 53179-09-2
Molecular Formula: C₁₉H₃₇N₅O₇ ⋅ 5/2 H₂SO₄
Molecular Weight: 692.72
Target: Bacterial; Antibiotic
Pathway: Anti-infection
Storage: Powder -20°C 3 years
In solvent -80°C 6 months
-20°C 1 month

SOLVENT & SOLUBILITY

In Vitro

H₂O : 20 mg/mL (28.87 mM; Need ultrasonic and warming)

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>1.4436 mL</td>
<td>7.2179 mL</td>
<td>14.4358 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.2887 mL</td>
<td>1.4436 mL</td>
<td>2.8872 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.1444 mL</td>
<td>0.7218 mL</td>
<td>1.4436 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Sisomicin is a broad-spectrum aminoglycoside antibiotic produced by Micromonospora inyoensis. Sisomicin has great activity against gram-positive bacteria[1][2].

REFERENCES

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

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