Picloxydine

Cat. No.: HY-U00120
CAS No.: 5636-92-0
Molecular Formula: C₂₀H₂₄Cl₂N₁₀
Molecular Weight: 475.38
Target: Bacterial
Pathway: Anti-infection
Storage: Please store the product under the recommended conditions in the COA.

Solvent & Solubility

In Vitro 10 mM in DMSO

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Solvent Mass</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td></td>
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<tr>
<td>2.1036 mL</td>
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<tr>
<td>5 mM</td>
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<tr>
<td>0.4207 mL</td>
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<tr>
<td>10 mM</td>
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<tr>
<td>0.2104 mL</td>
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</tbody>
</table>

Preparing Stock Solutions

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

BIOLOGICAL ACTIVITY

Description Picloxydine is a heterocyclic biguanide with antibacterial and antiplaque activity.

IC₅₀ & Target Bacterial[1]

In Vivo 0.4% Picloxydine produces a highly significant drop in the number of aerobic organisms. 0.4% Picloxydine is far more effective than 0.2% Picloxydine or chlorhexidine in reducing the total viable count of oral aerobic and anaerobic organisms[1]. Picloxydine is also used in eye drops in the topical therapy of trachoma[2].

REFERENCES

