Nitroxoline

Cat. No.: HY-B1159
CAS No.: 4008-48-4
Molecular Formula: C₉H₆N₂O₃
Molecular Weight: 190.16
Target: Bacterial; Autophagy; Antibiotic
Pathway: Anti-infection; Autophagy
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>In Vitro</th>
<th>DMSO : 100 mg/mL (525.87 mM; Need ultrasonic)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparing Stock Solutions</td>
<td><strong>Solvent</strong></td>
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<tr>
<td></td>
<td><strong>Concentration</strong></td>
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<tr>
<td>1 mM</td>
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<tr>
<td>5 mM</td>
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<tr>
<td>10 mM</td>
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Please refer to the solubility information to select the appropriate solvent.

**BIOLOGICAL ACTIVITY**

**Description**
Nitroxoline is an antibiotic that has proven to be very effective at combating biofilm infections. Nitroxoline functions by chelating Fe²⁺ and Zn²⁺ ions from the biofilm matrix.

**REFERENCES**

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

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