## Moxifloxacin

**Cat. No.:** B1218  
**CAS No.:** 151096-09-2  
**Formula:** C21H24FN3O4  
**M.Wt:** 401.43

**Synonyms:**  
**Target:** Microbiology & Virology  
**Pathway:** Antibiotic  
**Storage:** Store at -20°C

### Solvent & Solubility

≥11.62 mg/mL in EtOH with gentle warming and ultrasonic; ≥25.6 mg/mL in H2O with gentle warming and ultrasonic; ≥50.8 mg/mL in DMSO with gentle warming

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Mass Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>Solvent Concentration</td>
<td>2.4911 mL</td>
<td>12.4555 mL</td>
<td>24.9109 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4982 mL</td>
<td>2.4911 mL</td>
<td>4.9822 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2491 mL</td>
<td>1.2455 mL</td>
<td>2.4911 mL</td>
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</tr>
</tbody>
</table>

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

### Biological Activity

**Shortsummary**  
Fluoroquinolone antibiotic, broad spectrum

<table>
<thead>
<tr>
<th>IC₅₀ &amp; Target</th>
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</table>

#### Cell Viability Assay

**In Vitro**  
Preparation method:  

**In Vivo**  
Animal experiment:  

<table>
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<tr>
<th>Applications</th>
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### Product Citations

1 | [www.apexbt.com](http://www.apexbt.com)

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