Tosufloxacin tosylate hydrate

Cat. No.: HY-B1802A
CAS No.: 1400591-39-0
Molecular Formula: C₂₆H₂₅F₃N₄O₇S
Molecular Weight: 594.56
Target: Bacterial
Pathway: Anti-infection
Storage: Powder -20°C 3 years
4°C 2 years
In solvent -80°C 6 months
-20°C 1 month

Solvent & Solubility

In Vitro DMSO: ≥ 33 mg/mL (55.50 mM)
* “≥” means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent Mass Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>1.6819 mL</td>
<td>8.4096 mL</td>
<td>16.8192 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.3364 mL</td>
<td>1.6819 mL</td>
<td>3.3638 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.1682 mL</td>
<td>0.8410 mL</td>
<td>1.6819 mL</td>
</tr>
</tbody>
</table>

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

BIOLICAL ACTIVITY

Description
Tosufloxacin (tosylate hydrate) is a fluoroquinolone antibacterial agent. Tosufloxacin (tosylate hydrate) is effective against Gram-positive and Gram-negative aerobic bacteria, anaerobic bacteria and Chlamydia trachomatis. Tosufloxacin (tosylate hydrate) is also a bacterial Topo (DNA gyrase, topoisomerase) inhibitor.

REFERENCES
