Zafirlukast

Cat. No.: B2068
CAS No.: 107753-78-6
Formula: C31H33N3O6S
M.Wt: 575.68
Synonyms: GPCR/G protein
Target: Leukotriene Receptor
Storage: Store at -20°C

**Solvent & Solubility**

<table>
<thead>
<tr>
<th>Mass</th>
<th>Solvent Concentration</th>
<th>1mg</th>
<th>5mg</th>
<th>10mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td></td>
<td>1.7371 mL</td>
<td>8.6854 mL</td>
<td>17.3708 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.3474 mL</td>
<td>1.7371 mL</td>
<td>3.4742 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td>0.1737 mL</td>
<td>0.8685 mL</td>
<td>1.7371 mL</td>
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</tbody>
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In Vitro

Preparation of Stock Solutions

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

**Biological Activity**

Short summary: oral leukotriene receptor antagonist

**Cell Viability Assay**

Preparation method: The solubility of this compound in DMSO is > 23.9 mg/mL. General tips for obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20 °C for several months.

Reacting conditions: 12.5 ~ > 100 μM

Applications: Zafirlukast exhibited antibacterial and antibiofilm activities against Gram-positive bacteria (including the cariogenic pathogen S. mutans) whilst...
showed no significant activity against Gram-negative bacteria (except for the oral pathogen P. gingivalis). Additional tests showed that Zafirukast did not cause resistance in S. mutans.

<table>
<thead>
<tr>
<th>Animal experiment</th>
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<tr>
<td><strong>Animal models:</strong></td>
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<td><strong>Dosage form:</strong></td>
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<td><strong>Applications:</strong></td>
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<td><strong>Other notes:</strong></td>
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References


Caution

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