L791943

Cat. No.: HY-U00254
CAS No.: 192767-01-4
Molecular Formula: C₂₄H₁₇F₁₀NO₄
Molecular Weight: 573.38
Target: Phosphodiesterase (PDE)
Pathway: Metabolic Enzyme/Protease
Storage: Please store the product under the recommended conditions in the COA.

Solvent & Solubility

<table>
<thead>
<tr>
<th></th>
<th>In Vitro</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>10 mM in DMSO</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent Concentration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 mM</td>
<td>1.7440 mL</td>
<td>8.7202 mL</td>
<td>17.4404 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.3488 mL</td>
<td>1.7440 mL</td>
<td>3.4881 mL</td>
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<tr>
<td>10 mM</td>
<td>0.1744 mL</td>
<td>0.8720 mL</td>
<td>1.7440 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
L791943 is a potent, selective Phosphodiesterase-4 (PDE4) inhibitor with an IC₅₀ of 4.2 nM.

IC₅₀ & Target
IC₅₀: 4.2 nM (Phosphodiesterase-4)\(^1\)

In Vitro
The extent of metabolism of L791943 is evaluated in vitro in rat hepatocytes and compared to the data obtained with CDP-840. In our standard incubation conditions, >98% of the parent drug remain in the case of L791943 whereas only 11% of CDP-840 is left intact\(^2\).

REFERENCES


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

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