Oteseconazole

Cat. No.: HY-17643
CAS No.: 1340593-59-0
Molecular Formula: C_{23}H_{16}F_{7}N_{5}O_{2}
Molecular Weight: 527.39
Target: Fungal; Cytochrome P450
Pathway: Anti-infection; Metabolic Enzyme/Protease
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: 250 mg/mL (474.03 mM; Need ultrasonic)

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>1.8961 mL</td>
<td>9.4806 mL</td>
<td>18.9613 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.3792 mL</td>
<td>1.8961 mL</td>
<td>3.7923 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.1896 mL</td>
<td>0.9481 mL</td>
<td>1.8961 mL</td>
</tr>
</tbody>
</table>

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

In Vivo
1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.25 mg/mL (4.27 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.25 mg/mL (4.27 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Oteseconazole (VT-1161) is an orally active anti-fungal agent, potently binds to and inhibits Candida albicans CYP51 ($K_d, <39$ nM), shows no obvious effect on human CYP51[1][2].

REFERENCES

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