GDC-0927

Cat. No.: HY-111484
CAS No.: 1642297-01-5
Molecular Formula: C₂₈H₂₈FNO₄
Molecular Weight: 461.52
Target: Estrogen Receptor/ERR
Pathway: Others
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: 83.33 mg/mL (180.56 mM; Need ultrasonic)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>2.1668 mL</td>
<td>10.8338 mL</td>
<td>21.6675 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.4334 mL</td>
<td>2.1668 mL</td>
<td>4.3335 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.2167 mL</td>
<td>1.0834 mL</td>
<td>2.1668 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: ≥ 2.08 mg/mL (4.51 mM); Clear solution

2. Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**
   Solubility: ≥ 2.08 mg/mL (4.51 mM); Clear solution

3. Add each solvent one by one: **10% DMSO >> 90% corn oil**
   Solubility: ≥ 2.08 mg/mL (4.51 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
GDC-0927 (SRN-927) is a novel, potent, non-steroidal, orally bioavailable, selective estrogen receptor antagonist.

IC₅₀ & Target
Estrogen receptor[^1^]

In Vivo
GDC-0927 is a novel, potent, non-steroidal, orally bioavailable, selective ER antagonist/ER degrader (SERD) that induces tumor regression in estrogen receptor (ER)+breast cancer (BC) patient-derived xenograft models[^1^].
REFERENCES