(E/Z)-GSK5182

Cat. No.: HY-111226A
Molecular Formula: C₂₇H₃₁NO₃
Molecular Weight: 417.54
Target: Estrogen Receptor/ERR; Reactive Oxygen Species
Pathway: Others; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
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 : 100 mg/mL (239.50 mM; Need ultrasonic)
H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Mass Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td></td>
<td>2.3950 mL</td>
<td>11.9749 mL</td>
<td>23.9498 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.4790 mL</td>
<td>2.3950 mL</td>
<td>4.7900 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td>0.2395 mL</td>
<td>1.1975 mL</td>
<td>2.3950 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
(E/Z)-GSK5182 is a racemic compound of (E)-GSK5182 and (Z)-GSK5182 isomers. GSK5182 is a highly selective and orally active inverse agonist of estrogen-related receptor γ (ERRγ) with an IC₅₀ of 79 nM[1]. GSK5182 also induces reactive oxygen species (ROS) generation in hepatocellular carcinoma[1][2][3].

REFERENCES


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

Tel: 609-228-6898  Fax: 609-228-5909  E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA