1-Linoleoyl Glycerol

Cat. No.: HY-111346  
CAS No.: 2277-28-3  
Molecular Formula: C₂₁H₃₈O₄  
Molecular Weight: 354.52  
Target: Phospholipase  
Pathway: Metabolic Enzyme/Protease  
Storage:  
- Pure form: -20°C, 3 years; 4°C, 2 years  
- In solvent: -80°C, 6 months; -20°C, 1 month

Solvent & Solubility

In Vitro  
10 mM in DMSO

<table>
<thead>
<tr>
<th>Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.8207 mL</td>
<td>14.1036 mL</td>
<td>28.2072 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5641 mL</td>
<td>2.8207 mL</td>
<td>5.6414 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2821 mL</td>
<td>1.4104 mL</td>
<td>2.8207 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description  
1-Linoleoyl glycerol (1-LG) is a fatty acid glycerol that has been isolated from S. chinensis roots.

IC₅₀ & Target  
The (R)-1-Linoleoyl Glycerol and (S)-1-Linoleoyl Glycerol exhibit Lipoprotein-associated phospholipase A₂ (Lp-PLA₂) inhibitory activities with IC₅₀ values of 45.0 and 52.0 μM, respectively[1].

REFERENCES
