Homosalate

**Cat. No.:** HY-B0928

**CAS No.:** 118-56-9

**Molecular Formula:** C₁₆H₂₂O₃

**Molecular Weight:** 262.34

**Target:** Others

**Pathway:** Others

**Storage:**
- Pure form: -20°C for 3 years
- 4°C for 2 years
- In solvent: -80°C for 6 months
- -20°C for 1 month

**SOLVENT & SOLUBILITY**

**In Vitro**

DMSO: 100 mg/mL (381.18 mM; Need ultrasonic)

H₂O: < 0.1 mg/mL (insoluble)

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Mass (mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>3.8118 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>19.0592 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>38.1185 mL</td>
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</table>

**Preparing Stock Solutions**

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: ≥ 2.5 mg/mL (9.53 mM); Clear solution

2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 2.5 mg/mL (9.53 mM); Suspended solution; Need ultrasonic

3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (9.53 mM); Clear solution

**BIOLOGICAL ACTIVITY**

**Description**

Homosalate is an organic compound used in some sunscreens, it is used as a chemical UV filter, protecting the skin from sun damage.

**CUSTOMER VALIDATION**
Environ Pollut. 2018 Sep 21;243(Pt B):1263-1273.

See more customer validations on www.MedChemExpress.com

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

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