Maxacalcitol

Cat. No.: HY-32339
CAS No.: 103909-75-7
Molecular Formula: C₂₆H₄₂O₄
Molecular Weight: 418.61
Target: VD/VDR
Pathway: Vitamin D Related
Storage: 4°C, protect from light, stored under nitrogen

**SOLVENT & SOLUBILITY**

**In Vitro**

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMSO</td>
<td>100 mg/mL</td>
<td>2.3889 mL</td>
<td>11.9443 mL</td>
<td>23.8886 mL</td>
</tr>
</tbody>
</table>

Preparing Stock Solutions

- **1 mM**
- **5 mM**
- **10 mM**

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

**In Vivo**

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
   - Solubility: ≥ 2.5 mg/mL (5.97 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   - Solubility: ≥ 2.5 mg/mL (5.97 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   - Solubility: ≥ 2.5 mg/mL (5.97 mM); Clear solution

**BIOLOGICAL ACTIVITY**

Description

Maxacalcitol (22-Oxacalcitriol) is non-calcemic vitamin D3 analog and ligand of VDR-like receptors.

**CUSTOMER VALIDATION**

REFERENCES


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