Product Name: (±)-CP 47497
CAS Number: 70434-82-1
IUPAC Name: rel-5-(1,1-Dimethylheptyl)-2-[(1R,3S)-3-hydroxycyclohexyl]phenol

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( \text{C}_{12}\text{H}_{34}\text{O}_{2} \)
   Batch Molecular Weight: 318.49
   Physical Appearance: White solid
   Solubility: DMSO to 100 mM ethanol to 100 mM
   Storage: Store at -20°C
   Batch Molecular Structure:

2. ANALYTICAL DATA

   HPLC: Shows 98% purity
   Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Product Name:** (±)-CP 47497

**CAS Number:** 70434-82-1

**IUPAC Name:** rel-5-(1,1-Dimethylheptyl)-2-[(1R,3S)-3-hydroxycyclohexyl]phenol

**Description:**
Potent CB₁ receptor agonist (Kᵢ = 2.2 nM). Exhibits analgesic, motor depressant, anticonvulsant and hypothermic effects in vivo.

**Physical and Chemical Properties:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batch Molecular Formula</td>
<td>C₁₂H₁₄O₂</td>
</tr>
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</tr>
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<td>Physical Appearance</td>
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</tr>
<tr>
<td>Minimum Purity</td>
<td>&gt;98%</td>
</tr>
</tbody>
</table>

**Batch Molecular Structure:**

![Molecular Structure](image)

**Storage:** Store at -20°C

**Solubility & Usage Info:**
- DMSO to 100 mM
- Ethanol to 100 mM

**Stability and Solubility Advice:**
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
- **SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
- **SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**Other Information:**

**INFORMATION FOR CUSTOMERS IN THE UK ONLY**
This product is a Schedule 1 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

**INFORMATION FOR CUSTOMERS IN THE USA ONLY**
This product is a Schedule I DEA controlled substance and customers in the USA are required to hold a controlled substance registration in order to purchase and possess this material (in accordance with Title 21 code of federal regulations part 1300 to end).

**INFORMATION FOR CUSTOMERS IN CANADA ONLY**
This product is a Schedule II CDSA controlled substance and customers in Canada require an import permit to purchase this material.

**References:**