**Product Name:** (-)-5'–DMH-CBD  
**Catalog No.:** 1481  
**Batch No.:** 2  
**CAS Number:** 97452-63-6  
**IUPAC Name:** 5-(1,1-Dimethylheptyl)-2-[(1R,6R)-3-methyl-6-(1-methylethenyl)-2-cyclohexen-1-yl]-1,3-benzenediol

1. **PHYSICAL AND CHEMICAL PROPERTIES**

   - **Batch Molecular Formula:** C_{25}H_{38}O_{2}
   - **Batch Molecular Weight:** 370.57
   - **Physical Appearance:** Pale brown liquid
   - **Solubility:** Soluble in ethanol (supplied pre-dissolved in anhydrous ethanol, 5mg/ml)
   - **Storage:** Desiccate at -20°C

   ![Batch Molecular Structure](image)

2. **ANALYTICAL DATA**

   - **TLC:** \( R_f = 0.3 \) (Ethyl acetate:Petroleum ether [1:9])
   - **HPLC:** Shows >98% purity
   - **\(^1\)H NMR:** Consistent with structure
   - **Optical Rotation:** \([\alpha]_D = -68 \) (Concentration = 1, Solvent = Dichloromethane)

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

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</tbody>
</table>
Product Information

Product Name: (-)-5'-DMH-CBD

CAS Number: 97452-63-6
IUPAC Name: 5-(1,1-Dimethylheptyl)-2-[(1R,6R)-3-methyl-6-(1-methylethenyl)-2-cyclohexen-1-yl]-1,3-benzenediol

Catalog No.: 1481
Batch No.: 2

Description:
Anandamide membrane transport inhibitor (IC_{50} = 14 μM) that is relatively metabolically stable. Displays some affinity for CB2 receptors but has only weak affinity for CB1 receptors and has no activity at VR1 receptors or FAAH. Anticonvulsive in vivo following systemic administration.

Physical and Chemical Properties:
Batch Molecular Formula: C_{29}H_{38}O_{2}
Batch Molecular Weight: 370.57
Physical Appearance: Pale brown liquid

Batch Molecular Structure:

![Batch Molecular Structure](image)

Storage: Desiccate at -20°C

Solubility & Usage Info:
Soluble in ethanol (supplied pre-dissolved in anhydrous ethanol, 5mg/ml)
This product is supplied dissolved in anhydrous ethanol at a concentration of 5mg/ml

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 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: