

Product Name: (±)-CP 47497

Catalog No.: 3500

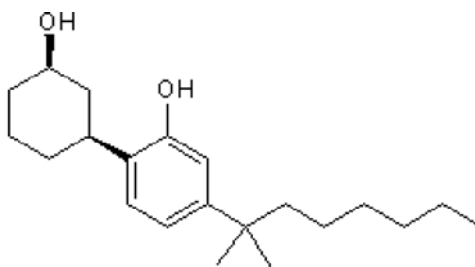
Batch No.: 2

CAS Number: 70434-82-1

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₂H₃₄O₂
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:



(and enantiomer)

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956

Product Name: (±)-CP 47497

Catalog No.: 3500

Batch No.: 2

CAS Number: 70434-82-1

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

Description:

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

Physical and Chemical Properties:

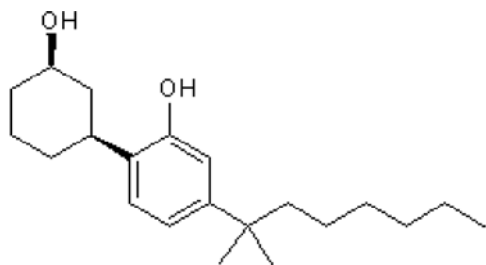
Batch Molecular Formula: C₁₂H₃₄O₂

Batch Molecular Weight: 318.49

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



(and enantiomer)

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:

Huffman et al (2008) Synthesis and pharmacology of 1-deoxy analogs of CP-47,497 and CP-55,940. *Bioorg.Med.Chem.* **16** 322. PMID: 17919913.

Melvin et al (1993) Structure-activity relationships for cannabinoid receptor-binding and analgesic activity: studies of bicyclic cannabinoid analogs. *Mol.Pharmacol.* **44** 1008. PMID: 8246904.

Weissman et al (1982) Cannabimimetic activity from CP-47,497, a derivative of 3-phenylcyclohexanol. *J.Pharmacol.Exp.Ther.* **223** 516. PMID: 6290642.

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956