

Certificate of Analysis

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Product Name: JWH 133 (in Tocrisolve™ 100)

Catalog No.: 1783

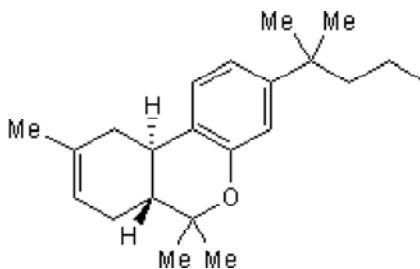
Batch No.: 7

CAS Number: 259869-55-1

IUPAC Name: (6a*R*,10a*R*)-3-(1,1-dimethylbutyl)-6a,7,10,10a-tetrahydro-6,6,9-trimethyl-6*H*-dibenzo[*b,d*]pyran

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₃₂O
Batch Molecular Weight: 312.49
Physical Appearance: White emulsion
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.4% purity

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

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Product Information

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Description:

Potent CB₂ selective agonist ($K_i = 3.4$ nM), in water-soluble emulsion (for details see Tocrisolve™ 100). Approx. 200-fold selective over CB₁ receptors. Active in vivo, reducing spasticity in a murine model of multiple sclerosis. JWH 133 available as a solid.

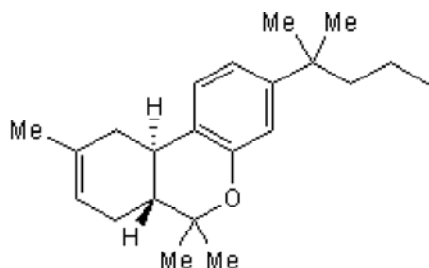
Physical and Chemical Properties:

Batch Molecular Formula: C₂₂H₃₂O

Batch Molecular Weight: 312.49

Physical Appearance: White emulsion

Batch Molecular Structure:



Storage:

Store at +4°C
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

CAUTION - This product must **not** be frozen.

Stability and Solubility Advice:

This product must not be frozen and should be stored at +4°C. Provided that the lid is kept tightly sealed this product will be useable for up to one month.

We recommend that diluted solutions of the Tocrisolve product should be used immediately and must not be frozen.

Other Information:

This product is supplied dissolved at a concentration of 6.3 mg/ml in a soya oil / water (1:4) emulsion. The formulation is emulsified with the block co-polymer, Pluronic F68. It can be diluted with any aqueous medium. This product must not be frozen.

References:

Baker *et al* (2000) Cannabinoids control spasticity and tremor in a multiple sclerosis model. *Nature* **404** 84. PMID: 10716447.

Huffman *et al* (1999) 3-(1'-Dimethylbutyl)-1-deoxy-Δ⁸-THC and related compounds: synthesis of selective ligands for the CB₂ receptor. *Bioorg.Med.Chem.* **7** 2905. PMID: 10658595.

Pertwee (1999) Pharmacology of cannabinoid receptor ligands. *Curr.Med.Chem.* **6** 635. PMID: 10469884.

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