1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{22}H_{32}O \cdot \frac{1}{4}H_2O \)
Batch Molecular Weight: 316.99
Physical Appearance: White solid
Solubility: ethanol to 100 mM, DMSO to 50 mM with gentle warming
Storage: Store at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.25 \) (Ethyl acetate:Petroleum ether [98:2])
HPLC: Shows 98.1% purity
\(^{1}H\) NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: \([\alpha]_D = -191.9\) (Concentration = 1, Solvent = Chloroform)
Microanalysis:

<table>
<thead>
<tr>
<th></th>
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<tr>
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<tr>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: JWH 133
Catalog No.: 1343
Batch No.: 7

Description:
Potent CB₂ selective agonist (Kᵢ = 3.4 nM). Approx. 200-fold selective over CB₁ receptors. Active in vivo, reducing spasticity in a murine model of multiple sclerosis. Activity also enhances the release of IL-10 by LPS/IFN-γ-stimulated macrophages and results in downregulation of the IL-12 subunit p40. Water Soluble Emulsion also available.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₂H₃₂O₂½H₂O
Batch Molecular Weight: 316.99
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at +4°C

Solubility & Usage Info:
- ethanol to 100 mM
- DMSO to 50 mM with gentle warming

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).

References: