1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{23}\text{H}_{21}\text{NO} \)

Batch Molecular Weight: 327.43

Physical Appearance: White solid

Solubility: DMSO to 10 mM, ethanol to 25 mM

Storage: Desiccate at -20°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.17 \) (Ethyl acetate:Petroleum ether [1:10])

Melting Point: Between 100 - 102°C

HPLC: Shows 100% purity

\(^1\text{H} \text{NMR:}\) Consistent with structure

Microanalysis:

Carbon Hydrogen Nitrogen

Theoretical: 84.37  6.46  4.28  0  0  0

Found: 84.33  6.33  4.13  0  0  0

Certificate of Analysis

Print Date: Jan 30th 2019

www.tocris.com
**Product Name:** JWH 015  
**Catalog No.:** 1341  
**Batch No.:** 2

**Description:**
Selective CB₂ agonist (Kᵢ values are 13.8 and 383 nM as measured at human cloned CB₂ and CB₁ receptors expressed in CHO cells).

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₂₃H₂₁NO
- **Batch Molecular Weight:** 327.43
- **Physical Appearance:** White solid
- **Minimum Purity:** >99%
- **Batch Molecular Structure:**

![Batch Molecular Structure](image)

**Storage:** Desiccate at -20°C

**Solubility & Usage Info:**
- DMSO to 10 mM
- Ethanol to 25 mM

When purchased as a 1mg unit, this product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

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

**References:**