1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $\text{C}_{24}\text{H}_{23}\text{NO}$
- **Batch Molecular Weight:** 341.45
- **Physical Appearance:** Yellow oil
- **Solubility:** DMSO to 100 mM, ethanol to 100 mM
- **Storage:** Desiccate at -20°C
- **Batch Molecular Structure:**

![Molecular Structure Image]

2. ANALYTICAL DATA

- **TLC:** $R_f = 0.4$ (Ethyl acetate:Petroleum ether [4:1])
- **HPLC:** Shows >99.4% purity
- **$^1$H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure

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

Product Name: JWH 018
Catalog No.: 1342
Batch No.: 1

CAS Number: 209414-07-3
IUPAC Name: (1-Pentyl-1H-indol-3-yl)-1-naphthalenylmethanone

Description:
Potent cannabinoid receptor agonist with mild selectivity for CB₂ (Kᵢ values are 2.94 and 9.0 nM for CB₂ and CB₁ receptors respectively).

Physical and Chemical Properties:
Batch Molecular Formula: C₂₄H₂₃NO
Batch Molecular Weight: 341.45
Physical Appearance: Yellow oil

Minimum Purity: ≥99%

Batch Molecular Structure:

Storage: Desiccate 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.

References: