

Product Name: JWH 015

Catalog No.: 1341

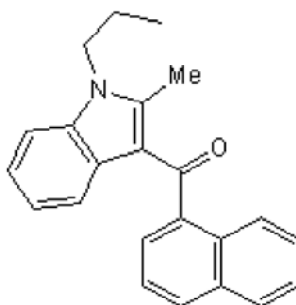
Batch No.: 2

CAS Number: 155471-08-2

IUPAC Name: (2-Methyl-1-propyl-1*H*-indol-3-yl)-1-naphthalenylmethanone

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₂₁NO
Batch Molecular Weight: 327.43
Physical Appearance: White solid
Solubility: DMSO to 10 mM
ethanol to 25 mM
Storage: Desiccate at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.17 (Ethyl acetate:Petroleum ether [1:10])
Melting Point: Between 100 - 102°C
HPLC: Shows 100% purity
¹H NMR: Consistent with structure

	Carbon Hydrogen Nitrogen			
	Carbon	Hydrogen	Nitrogen	
Theoretical	84.37	6.46	4.28	0.00
Found	84.33	6.33	4.13	0.00

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

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IUPAC Name: (2-Methyl-1-propyl-1*H*-indol-3-yl)-1-naphthalenylmethanone

Description:

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

Physical and Chemical Properties:

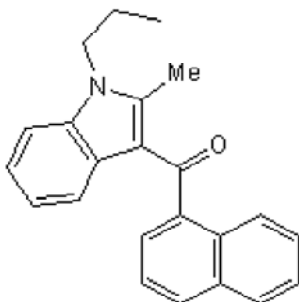
Batch Molecular Formula: C₂₃H₂₁NO

Batch Molecular Weight: 327.43

Physical Appearance: White solid

Minimum Purity: ≥99%

Batch Molecular Structure:



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.

References:

Chin et al (1999) The third transmembrane helix of the cannabinoid receptor plays a role in the selectivity of aminoalkylindoles for CB₂, peripheral cannabinoid receptor. *J.Pharmacol.Exp.Ther.* **291** 837. PMID: 10525107.

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

Griffin et al (1997) Evidence for the presence of CB₂-like receptor on peripheral nerve terminals. *Eur.J.Pharmacol.* **339** 53. PMID: 9450616.

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