1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{26}\text{H}_{24}\text{O}_{2} \)
Batch Molecular Weight: 368.47
Physical Appearance: solid
Solubility: DMSO to 100 mM, ethanol to 50 mM
Storage: Store at RT

2. ANALYTICAL DATA

TLC: \( R_{f} = 0.48 \) (Ether:Petroleum ether [5:95])
HPLC: Shows 99.7% purity
\(^1\text{H NMR:}\) Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis: Carbon Hydrogen Nitrogen
Theoretical 84.75 6.56
Found 84.6 6.52
Product Name: CB 13  
Catalog No.: 2928  
Batch No.: 1

CAS Number: 432047-72-8  
IUPAC Name: 1-Naphthalenyl[4-(pentyloxy)-1-naphthalenyl]methanone

**Description:**
Potent, orally active CB₁/CB₂ receptor agonist with limited brain penetration (EC₅₀ values are 6.1 and 27.9 nM for CB₁ and CB₂ receptors respectively). Displays antihyperalgesic activity in a rat model of neuropathic pain with no CNS side effects.

**Physical and Chemical Properties:**
Batch Molecular Formula: C₂₆H₂₄O₂  
Batch Molecular Weight: 368.47  
Physical Appearance: solid  
Minimum Purity: >99%

**Batch Molecular Structure:**

![Molecular Structure](image)

**Storage:** Store at RT

**Solubility & Usage Info:**
DMSO to 100 mM  
ethanol to 50 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 CANADA ONLY**
This product is a Schedule II CDSA controlled substance and customers in Canada require an import permit to purchase this material.

**References:**

PMID: 20571060.