1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $\text{C}_{24}\text{H}_{26}\text{N}_{2}\text{O}_{6}$
- **Batch Molecular Weight:** 438.48
- **Physical Appearance:** Off-white solid
- **Solubility:** DMSO to 100 mM, ethanol to 10 mM
- **Storage:** Store at RT

2. ANALYTICAL DATA

- **TLC:** $R_f = 0.39$ (Ethyl acetate:Petroleum ether [1:1])
- **HPLC:** Shows >99.1% purity
- **$^1\text{H NMR:}** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Theoretical: 65.74 5.98 6.39
  - Found: 65.71 5.98 6.39

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
**Product Name:** JTE 907  
**CAS Number:** 282089-49-0  
**IUPAC Name:** \(N\)-(1,3-Benzodioxol-5-ylmethyl)-1,2-dihydro-7-methoxy-2-oxo-8-(pentyloxy)-3-quinolinecarboxamide

**Description:**
Highly selective cannabinoid CB\(_2\) receptor inverse agonist. Binds with high affinity to rat, mouse and human CB\(_2\) receptors (\(K_i\) values are 0.38, 1.55 and 35.9 nM respectively). Produces anti-inflammatory effects in vivo.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** \(C_{24}H_{26}N_2O_6\)
- **Batch Molecular Weight:** 438.48
- **Physical Appearance:** Off-white solid
- **Minimum Purity:** >99%

**Solubility & Usage Info:**
- DMSO to 100 mM
- Ethanol to 10 mM

**Storage:** Store at RT

**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.

**References:**
