1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( C_{26}H_{37}NO_2 \)
   Batch Molecular Weight: 395.58
   Physical Appearance: White Waxy solid
   Solubility: ethanol to 50 mM
              DMSO to 50 mM
   Storage: Store at -20°C
   Batch Molecular Structure:

2. ANALYTICAL DATA

   TLC: \( R_f = 0.5 \) (Dichloromethane:Methanol [9:1])
   HPLC: Shows >99.4% purity
   \(^1\)H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>78.94</td>
<td>78.7</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>9.43</td>
<td>9.47</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>3.54</td>
<td>3.52</td>
</tr>
</tbody>
</table>
**Product Name:** AM 404  
**Catalog No.:** 1116  
**Batch No.:** 15

**Description:**  
Competitive and selective inhibitor of carrier-mediated anandamide transport (IC\(_{50}\) = 1 \(\mu\)M). Does not activate CB\(_1\) receptors or inhibit anandamide hydrolysis but has been shown to activate native and cloned vanilloid receptors (pEC\(_{50}\) = 7.4). Active in vivo.

**Physical and Chemical Properties:**  
**Batch Molecular Formula:** C\(_{26}\)H\(_{37}\)NO\(_2\)  
**Batch Molecular Weight:** 395.58  
**Physical Appearance:** White Waxy solid  
**Minimum Purity:** >98%  
**Physical and Chemical Properties:**  
**Batch Molecular Formula:** C\(_{26}\)H\(_{37}\)NO\(_2\)  
**Batch Molecular Weight:** 395.58  
**Physical Appearance:** White Waxy solid  
**Minimum Purity:** >98%

**Storage:** Store at -20°C  
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**  
ethanol to 50 mM  
DMSO 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.

**References:**  