Product Name: AM 404
CAS Number: 198022-70-7
IUPAC Name: N-(4-Hydroxyphenyl)-5Z,8Z,11Z,14Z-eicosatetraenamide

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
   ^1H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:
<table>
<thead>
<tr>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical 78.94</td>
<td>9.43</td>
<td>3.54</td>
</tr>
<tr>
<td>Found 78.7</td>
<td>9.47</td>
<td>3.52</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: AM 404
Catalog No.: 1116    Batch No.: 15

CAS Number: 198022-70-7
IUPAC Name: N-(4-Hydroxyphenyl)-5Z,8Z,11Z,14Z-eicosatetraenamide

Description:
Competitive and selective inhibitor of carrier-mediated anandamide transport (IC$_{50}$ = 1 μM). 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. Also available in water soluble emulsion (Cat. No. 1685).

Physical and Chemical Properties:
Batch Molecular Formula: C$_{26}$H$_{31}$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: