Product Name: NADA  
CAS Number: 199875-69-9  
IUPAC Name: $N$-[2-(3,4-Dihydroxyphenyl)ethyl]-5Z,8Z,11Z,14Z-eicosatetraenamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batch Molecular Formula:</td>
<td>$C_{28}H_{41}NO_{3}$</td>
</tr>
<tr>
<td>Batch Molecular Weight:</td>
<td>439.64</td>
</tr>
<tr>
<td>Physical Appearance:</td>
<td>Yellow liquid</td>
</tr>
<tr>
<td>Solubility:</td>
<td>Soluble in ethanol (supplied pre-dissolved in anhydrous ethanol, 5mg/ml)</td>
</tr>
<tr>
<td>Storage:</td>
<td>Desiccate at -20°C</td>
</tr>
<tr>
<td>Batch Molecular Structure:</td>
<td>![Molecular Structure Image]</td>
</tr>
</tbody>
</table>

**2. ANALYTICAL DATA**

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLC:</td>
<td>$R_f = 0.5$ (Ethyl acetate:Petroleum ether [7:3])</td>
</tr>
<tr>
<td>$^1H$ NMR:</td>
<td>Consistent with structure</td>
</tr>
</tbody>
</table>
Description:
Potent endogenous cannabinoid and vanilloid receptor agonist, with no action at dopamine receptors. Selective for CB₁ over CB₂ receptors (Kᵢ values are 0.25 and 12 μM respectively), and potent agonist at TRPV1 (VR1) receptors (EC₅₀ ~ 50 nM). Metabolically stable and competitively inhibits FAAH and anandamide transport. Has cannabinoid and vanilloid actions in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₈H₄₁NO₃
Batch Molecular Weight: 439.64
Physical Appearance: Yellow liquid

Storage:
Desiccate 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:
Soluble in ethanol (supplied pre-dissolved in anhydrous ethanol, 5mg/ml)
This product is supplied dissolved in anhydrous ethanol at a concentration of 5mg/ml

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: