

**Product Name:** Anandamide-d4

**Catalog No.:** 3717

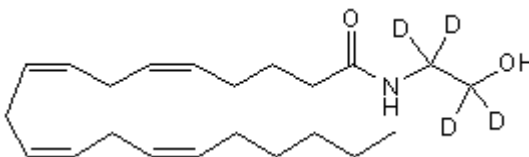
**Batch No.:** 1

CAS Number: 946524-40-9

IUPAC Name: *N*-(2-Hydroxyethyl-1,1,2,2-d<sub>4</sub>)-5Z,8Z,11Z,14Z-eicosatetraenamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Batch Molecular Formula:</b>	C <sub>22</sub> H <sub>33</sub> D <sub>4</sub> NO <sub>2</sub>
<b>Batch Molecular Weight:</b>	351.56
<b>Physical Appearance:</b>	Pale yellow oil
<b>Solubility:</b>	Soluble in ethanol (supplied pre-dissolved in anhydrous ethanol, 5mg/ml)
<b>Storage:</b>	Store at -20°C
<b>Batch Molecular Structure:</b>	



**2. ANALYTICAL DATA**

<b>TLC:</b>	R <sub>f</sub> = 0.4 (Dichloromethane:Methanol [95:5])
<b>HPLC:</b>	Shows 100% purity
<b><sup>1</sup>H NMR:</b>	Consistent with structure
<b>Mass Spectrum:</b>	Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

Deuterated anandamide (Cat. No. 1339). Used as an internal standard for the quantification of AEA by GC- or LC-mass spectrometry.

**Physical and Chemical Properties:**

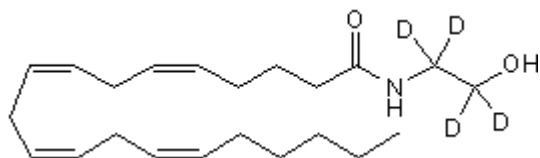
Batch Molecular Formula: C<sub>22</sub>H<sub>33</sub>D<sub>4</sub>NO<sub>2</sub>

Batch Molecular Weight: 351.56

Physical Appearance: Pale yellow oil

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**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:**

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:**

Isotopic purity is 99.2% D

**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.

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Tocris Bioscience is an R&D Systems company

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