

Product Name: Anandamide-d4

Catalog No.: 3717

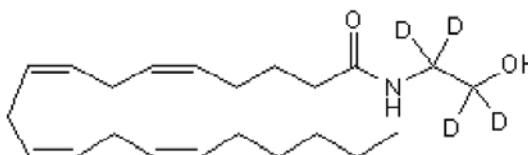
Batch No.: 1

CAS Number: 946524-40-9

IUPAC Name: *N*-(2-Hydroxyethyl-1,1,2,2-d₄)-5*Z*,8*Z*,11*Z*,14*Z*-eicosatetraenamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₃₃D₄NO₂
Batch Molecular Weight: 351.56
Physical Appearance: Pale yellow oil
Solubility: Soluble in ethanol (supplied pre-dissolved in anhydrous ethanol, 5mg/ml)
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.4 (Dichloromethane:Methanol [95:5])
HPLC: Shows 100% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

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

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Description:

Deuterated anandamide. Used as an internal standard for the quantification of AEA by GC- or LC-mass spectrometry. Anandamide also available.

Physical and Chemical Properties:

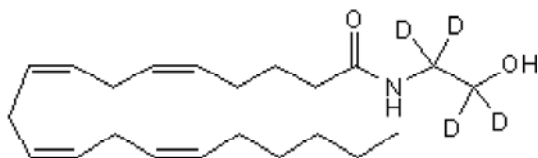
Batch Molecular Formula: C₂₂H₃₃D₄NO₂

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

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