

Certificate of Analysis

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Product Name: PDP-EA

Catalog No.: 5210

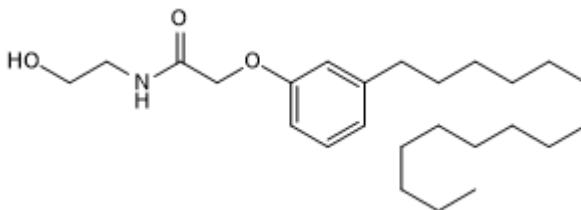
Batch No.: 1

CAS Number: 861891-72-7

IUPAC Name: *N*-(2-Hydroxyethyl)-2-(3-pentadecylphenoxy)acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₅H₄₃NO₃
Batch Molecular Weight: 405.61
Physical Appearance: White solid
Solubility: DMSO to 50 mM
 ethanol to 50 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.11 (Dichloromethane)
HPLC: Shows >98.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	74.03	10.68	3.45
Found	74.29	10.7	3.42

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

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Description:

FAAH activator; proposed to enhance amidohydrolase activity of FAAH by reducing negative feedback mechanisms.

Physical and Chemical Properties:

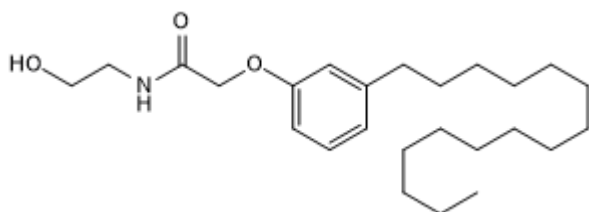
Batch Molecular Formula: C₂₅H₄₃NO₃

Batch Molecular Weight: 405.61

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 50 mM

ethanol 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:

Faure et al (2014) Synthesis of phenoxyacyl-ethanolamides and their effects on fatty acid amide hydrolase activity. *J.Biol.Chem.* **289** 9340. PMID: 24558037.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956