



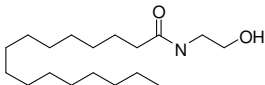
Certificate of Analysis

Axon Catalogue ID: 1211 **Batch Number:** 1

Product Name: Palmitoylethanolamide

Alternative Name(s): N.A.

IUPAC Name: Hexadecanoic acid (2-hydroxy-ethyl)-amide

Structure:  **Amount:**

CAS number: 544-31-0

Batch Molecular Formula: C₁₈H₃₇N₂O₂·0.25H₂O **Batch MW:** 303.99

Appearance: White solid **Observed mp:** 99,8 - 100,7 °C

TLC (R_f): 0.4 DCM/MeOH/NH₃ [18:1:0,1]

Chemical Purity: >99%

Optical Purity (ee):

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 71.12 , H 12.43 , N 4.61 Found: C 70.91 , H 12.46 , N 4.68

Storage Conditions: Store at +4 °C

Solubility Data:

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water			Not Tested
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	4.9	16.1	
EtOH	20.0	65.8	

Remarks:

QC Date: 03-04-2014

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only