

Certificate of Analysis

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Product Name: 17-ODYA

Catalog No.: 0607

Batch No.: 5

CAS Number: 34450-18-5

IUPAC Name: 17-Octadecynoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₃₂O₂
Batch Molecular Weight: 280.45
Physical Appearance: White solid
Solubility: ethanol to 50 mM
 DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.39 (Ethyl acetate:Petroleum ether [4:1])
HPLC: Shows 97.1% purity
¹H NMR: Consistent with structure
 Mass Spectrum: Consistent with structure
 Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	77.09	11.5	
Found	77.14	11.54	0.05

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

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Product Name: 17-ODYA

Catalog No.: 0607

Batch No.: 5

CAS Number: 34450-18-5

IUPAC Name: 17-Octadecynoic acid

Description:

17-ODYA is a potent suicide inhibitor of LTB₄ ω-hydroxylase.

Physical and Chemical Properties:

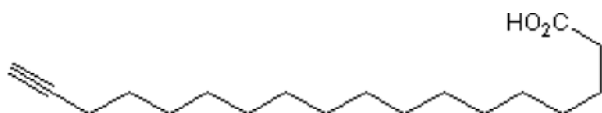
Batch Molecular Formula: C₁₈H₃₂O₂

Batch Molecular Weight: 280.45

Physical Appearance: White solid

Minimum Purity: ≥95%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

ethanol to 50 mM

DMSO to 100 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:

Edwards *et al* (1996) Effects of cytochrome P450 inhibitors on potassium currents and mechanical activity in rat portal vein. *Br.J.Pharmacol.* **119** 691. PMID: 8904643.

Shak *et al* (1985) Leukotriene B₄ ω-hydroxylase in human polymorphonuclear leukocytes. *J.Biol.Chem.* **260** 13023. PMID: 2997155.

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