



CERTIFICATE OF ANALYSIS

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1. Identification

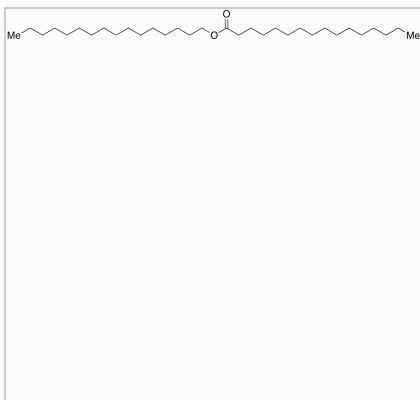
Catalogue Number: P163750

CAS Number: 540-10-3

Synonym: Hexadecanoic Acid Hexadecyl Ester; Palmitic Acid Cetyl Ester; Palmitic Acid Hexadecyl Ester; 1-Hexadecanol Palmitate; Cetin; Cetyl Palmitate; Cutina CP; Cutina CP-PH; Cutina CPA; Estol 3694; Hexadecyl hexadecanoate; Hexadecyl Palmitate; Kessco 653; Kollicream CP 15; N-SP; Nikkol N-SP; Nikkol N-SPV; Palmitic Acid Palmityl Ester; Precifac; Precifac ATO; Radia 7500; S 653; Standamul 1616; Starfol Wax CG; Stepan 653; Stepantex 653; n-Hexadecyl Hexadecanoate; n-Hexadecyl n-hexadecanoate;

Product: Palmityl Palmitate

Structure:



Molecular Formula:

$C_{32}H_{64}O_2$

Molecular weight:

480.85

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Hexanes (Slightly), Methanol
(Slightly)

Lot Number: 22-GHZ-121-1

Purity: 95%

Shipping Condition: This Product Is Stable To Be
Shipped At Room Temperature

Storage Condition: 20°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 79.99, %H: 13.62
MS	Conforms to Structure	Conforms

Additional Information:

TLC Conditions: SiO₂; Hexanes : Ethyl Acetate = 4: 1; Visualized with KMnO₄; Single Spot, R_f = 0.40. Elemental Analysis: (Theoretical) %C: 79.93, %H: 13.42

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Eric Beaton	My Nguyen	9/3/2019	9/1/2026
				