



CERTIFICATE OF ANALYSIS

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1. Identification

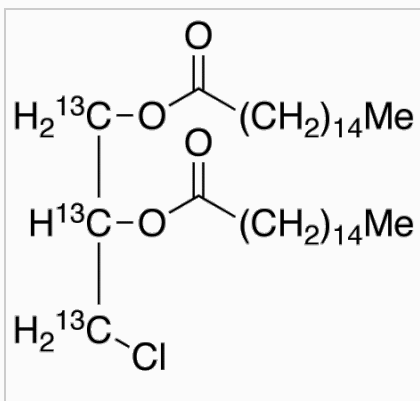
Catalogue Number: B515204

CAS Number: NA

Product: rac 1,2-Bis-palmitoyl-3-chloropropanediol-13C3

Synonym: Hexadecanoic Acid 1,1'-[1-Chloromethyl]-1,2-ethanediyl Ester-13C3; 3-Chloropropane-1,2-diol Dipalmitate-13C3; rac 1,2-Di-palmitoyl-3-chloropropanediol-13C3; 3-MCPD-1,2-dipalmitoyl Ester-13C3;

Structure:



Molecular Formula:

$C_{32}^{13}C_3H_{67}ClO_4$

Molecular weight:

590.34

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Ethyl Acetate (Slightly), Methanol (Slightly)

Lot Number: 10-JOB-110-2

Purity: 97%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	Off-White Solid
HPLC Purity	Report Result	99.79% (ELSD)
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.9% ($^{13}C_0 = 0.04\%$)
Elemental Analysis	Conforms	%C: 71.55, %H: 11.26

Additional Information:

N/A

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

Neha Khanna

Reviewed By

Toni Rantanen

C of A Approved By

Christina Gouliaras

Test Date

7/22/2021

Retest Date

7/20/2025