



CERTIFICATE OF ANALYSIS

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1. Identification

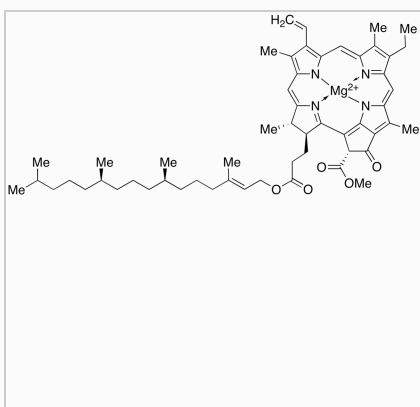
Catalogue Number: C379880

CAS Number: 479-61-8

Product: Chlorophyll a (Technical Grade)

Synonym: Phorbine Magnesium Deriv.; Chlorophyll a; Chlorophyll-1; Magnesium Pheophytin; Vegetable Chlorophyll; α -Chlorophyll; (SP-4-2)- [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl (3S,4S,21R)-9-ethenyl-14-ethyl-21-(methoxycarbonyl)-4,8,13,18-tetramethyl-20-oxo-3-phorbinepropanoate(2-)- κ N23, κ N24, κ N25, κ N26]-Magnesium

Structure:



Molecular Formula:

$C_{55}H_{72}MgN_4O_5$

Molecular weight:

893.49

Source of Product:

Synthetic

Solubility:

Acetone (Slightly), Chloroform (Slightly), Methanol (Slightly), Heated, Sonicated

Lot Number: 1-HDS-159-7

Purity: Technical Grade

Shipping Condition: This Product Is Stable To Be Shipped With Blue Ice

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Green to Black Semi-Solid to Solid	Black Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Swathi Reddy	Toni Rantanen	Chanell Chu	3/29/2023	3/27/2027