



CERTIFICATE OF ANALYSIS

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1. Identification

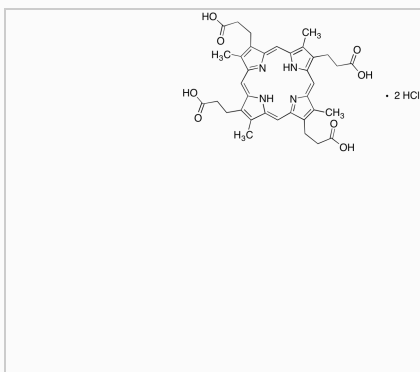
Catalogue Number: C685413

CAS Number: 69477-27-6

Product: Coproporphyrin I Dihydrochloride,
>80% (contains Coproporphyrin III)

Synonym: 3,8,13,18-Tetramethyl-21H,23H-porphine-
2,7,12,17-tetrapropanoic Acid
Dihydrochloride;

Structure:



Molecular Formula:

$C_{36}H_{40}Cl_2N_4O_8$

Molecular weight:

727.63

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol
(Slightly)

Lot Number: 711623419-1-1

Purity: >85%

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	Dark Purple to Very Dark Purple Solid	Dark Purple to Very Dark Purple Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 49.47, %H: 5.32, %N: 6.51
HPLC Purity	Report Result	91.35% (385 nm)
MS	Conforms to Structure	Conforms
UV Absorbance	Report Result	191 nm, 205 nm, 391 nm, 530 nm, 563 nm
Chloride Content	Report Result	9.6%
Water Content	Report Result	~6.0% based on Elemental Analysis

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	Christina Gouliaras	7/19/2022	7/17/2026