



## CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA  
Tel: (416) 665-9696, Fax: (416) 665-4439  
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

### 1. Identification

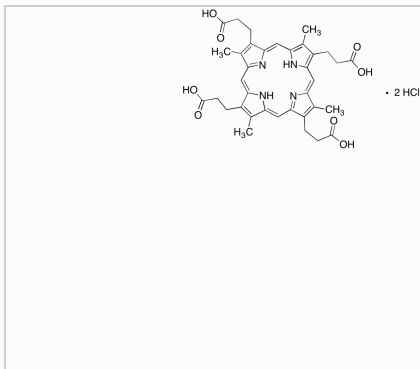
**Catalogue Number:** C685413

**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<sub>36</sub>H<sub>40</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>8</sub>

**Molecular weight:**

727.63

**Source of Product:**

N/A

**Solubility:**

DMSO (Slightly), Methanol  
(Slightly)

**Lot Number:** 2023-QIU-153

**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: 57.21, %H: 5.55, %N: 7.55
HPLC Purity	Report Result	86.51% (395 nm)
MS	Conforms to Structure	Conforms
UV Absorbance	Report Result	203 nm, 288 nm, 394 nm, 498 nm, 529 nm, 566 nm

**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
Henry Tieu	Toni Rantanen	Chanell Chu	3/13/2023	3/11/2027