



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

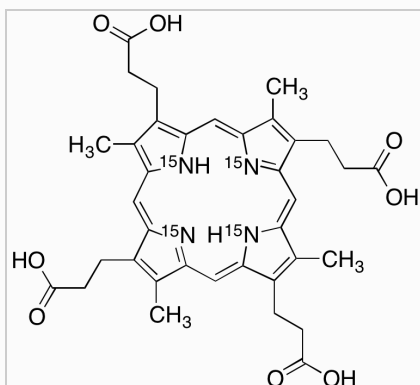
Catalogue Number: C685401

CAS Number: NA

Product: Coproporphyrin I-15N4

Synonym: 3,8,13,18-Tetramethyl-21H,23H-porphine-2,7,12,17-tetrapropanoic -15N4 Acid;

Structure:



Molecular Formula:

$C_{36}H_{38}^{15}N_4O_8$

Molecular weight:

658.68

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 5-NWY-121-1

Purity: 96%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Very Dark Red to Black Solid	Very Dark Red to Black Solid
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	>99.9%
HPLC Purity	Report Result	96.22% (390 nm)
NMR	Conforms to Structure	Conforms

Additional Information:

Normalized Intensity: 15N0 = 0.00%, 15N1 = 0.01%, 15N2 = 0.03%, 15N3 = 0.00%, 15N4 = 99.96%

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
Swathi Reddy

Reviewed By
Toni Rantanen

C of A Approved By
Chanell Chu

Test Date
4/22/2022

Retest Date
4/20/2026