



CERTIFICATE OF ANALYSIS

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1. Identification

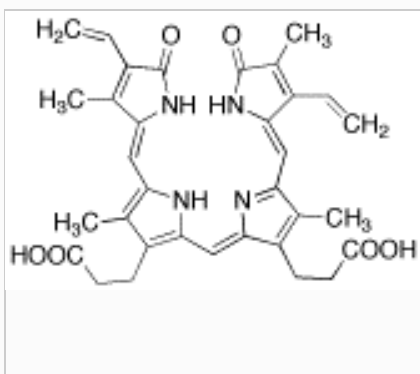
Catalogue Number: B386400

CAS Number: 114-25-0

Product: Biliverdine (Technical Grade)

Synonym: 3,18-Diethenyl-1,19,22,24-tetrahydro-2,7,13,17-tetramethyl-1,19-dioxo-21H-biliverdin-8,12-dipropionic Acid; Biliverdin; Biliverdin IX α ; Dehydrobilirubin; NSC 62793; Oocyan; Protobiliverdin IX α ; Uteroverdine; α -Biliverdin;

Structure:



Molecular Formula:

C₃₃H₃₄N₄O₆

Molecular weight:

582.65

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 9-SHT-164-2

Purity: Technical Grade

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	Dark Green to Black Solid	Dark Green Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 61.25, %H: 5.48, %N: 9.20
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
Nicole Yip	Toni Rantanen	Chanell Chu	8/2/2023	7/31/2027