



CERTIFICATE OF ANALYSIS

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1. Identification

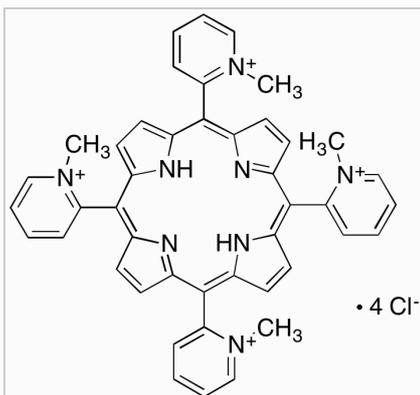
Catalogue Number: T289255

CAS Number: 129051-18-9

Product: Tetra (N-Methyl-2-pyridyl) Porphine Tetrachloride

Synonym: 2,2',2'',2'''-(21H,23H-Porphine-5,10,15,20-tetrayl)tetrakis[1-methylpyridinium Tetrachloride; TMPyP 2;

Structure:



Molecular Formula:

$C_{44}H_{38}N_8 \cdot 4Cl$

Molecular weight:

678.82 + 4(35.45)

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 11-NZZ-117-3

Purity: 98%

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	Very Dark Red to Very Dark Brown Solid	Very Dark Red to Very Dark Brown Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 58.48, %H: 5.08, %N: 12.36
HPLC Purity	Report Result	99.88% (415 nm)
Chloride Content	Report Result	15.1%
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	11/30/2022	11/28/2026

R. Reddy