



CERTIFICATE OF ANALYSIS

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1. Identification

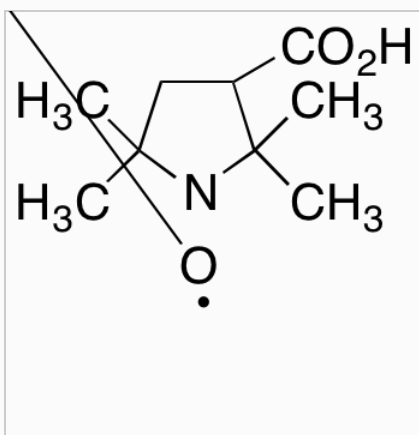
Catalogue Number: C182770

CAS Number: 2154-68-9

Product: 3-Carboxy-PROXYL

Synonym: 2,2,5,5-Tetramethyl-3-carboxypyrrolidine-N-oxyl; DL-3-Carboxy-2,2,5,5-tetramethyl-1-pyrrolidinyl-oxyl; NSC 158842; PCA; 3-Carboxy-2,2,5,5-tetramethylpyrrolidinyl-1-oxyl

Structure:



Molecular Formula:

C₉H₁₆NO₃

Molecular weight:

186.23

Source of Product:

N/A

Solubility:

Aqueous Base (Slightly),
Chloroform (Slightly,
Sonicated), Methanol (Slightly,
H

Lot Number: 1-SLH-89-1

Purity: 98%

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	Pale Beige to Beige Solid	Light Brown to Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 58.28, %H: 8.49, %N: 7.39
GC	Report Result	100.00%
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-0.4° (c = 0.5, Chloroform)

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 ± 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
Meenakshi Sharma	Toni Rantanen	Chanell Chu	7/7/2021	7/5/2025