

## **CERTIFICATE OF ANALYSIS**

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## 1. Identification

Catalogue Number: C989410 C989410 CAS Number: 89270-23-5

**Synonym:** 9-L-Leucinecyclosporin A;

1,4,7,10,13,16,19,22,25,28,31-

Undecaazacyclotritriacontane Cyclic Peptide Deriv.; AM 4N; Cyclosporin A Metabolite 21;

M 21; OL 21; [Leu4]cyclosporin

Structure:

Product:

Molecular Formula:

C61H109N11O12

Molecular weight:

1188.58

Source of Product:

Synthetic Solubility:

95%

Chloroform (Slightly), Methanol (Slightly)

Lot Number: 11-YKZ-95-1 Purity:

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

Cyclosporin AM 4N

Storage Condition: 4°C

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests:Specifications:Results:MSConforms to StructureConformsNMRConforms to StructureConforms

Appearance White to Pale Beige Solid Off-White to Pale Yellow Solid

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 11/3/2022 11/1/2026

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