



CERTIFICATE OF ANALYSIS

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1. Identification

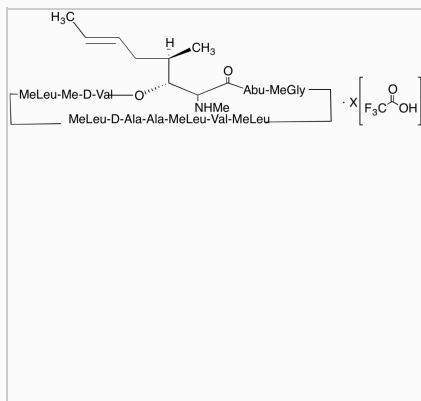
Catalogue Number: I811555

CAS Number: NA

Product: Iso Cyclosporin H Trifluoroacetic Acid Salt (>75% by HPLC)

Synonym: (2S,3R,4R,6E)-3-Hydroxy-4-methyl-2-(methylamino)-6-octenoyl-(2S)-2-aminobutanoyl-N-methylglycyl-N-methyl-L-leucyl-L-valyl-N-methyl-L-leucyl-L-alanyl-D-alanyl-N-methyl-L-leucyl-N-methyl-L-leucyl-N-methyl-D-valine 11→1)-Lactone Trifluoroacetic Acid Salt; 10-(N-Methyl-D-valine)isocyclosporin A Trifluoroacetic Acid Salt;

Structure:



Molecular Formula:

$C_{62}H_{111}N_{11}O_{12} \cdot x(C_2HF_3O_2)$

Molecular weight:

$1202.61 + x(114.02)$

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly, Heated)

Lot Number: 10-NBP-73-1

Purity: >75%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 54.18, %H: 8.12, %N: 10.50
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	85.25% (200 nm)
Specific Rotation	Report Result	-132.0° (c = 0.2, Chloroform)
TFA Content	Report Result	15.92% by Ion Chromatography

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
Neha Khanna	Toni Rantanen	Chanell Chu	9/23/2021	9/21/2025
				