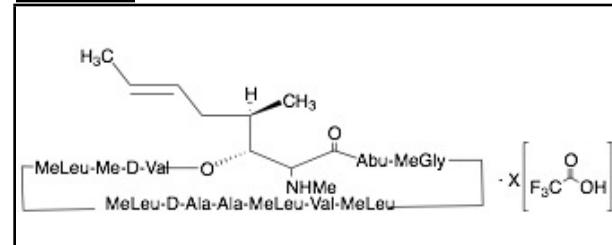


CERTIFICATE OF ANALYSIS**1. Identification**

<u>Catalogue Number</u>	<u>Lot Number</u>
I811555	7-SKR-70-3
<u>Product Name</u>	
Iso Cyclosporin H Trifluoroacetic Acid Salt (>75% by HPLC)	

StructureSynonyms

(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;

CAS Number

N/A
Chloroform (Slightly), Methanol (Slightly)

Shipping Condition

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

Molecular Formula

C₆₂H₁₁₁N₁₁O₁₂ • x(C₂H₂F₃O₂)

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

1202.61 + x(114.02)

Purity

>75%

2. Warnings

Hygroscopic, Moisture Sensitive

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 54.35, %H: 8.09, %N: 10.86
HPLC Purity	Report Result	81.01% (200 nm)
MS	Conforms to Structure	Conforms
TFA Content	Report Result	15.62% by Ion Chromatography
Specific Rotation	Report Result	-127.0° (c = 0.2, 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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			3/27/2023	3/25/2027

Neha Khanna
Product Quality Specialist

Toni Rantanen
Manager, Quality Assurance

Chanell Chu
Jr. Quality Assurance