

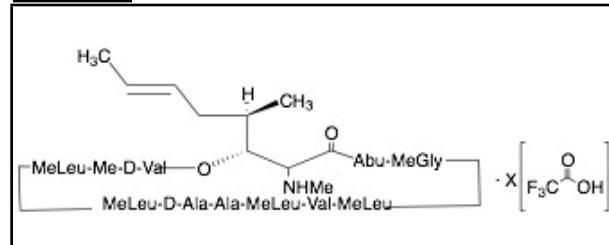
CERTIFICATE OF ANALYSIS**1. Identification**

Catalogue Number I811555 Lot Number 8-SKR-30-1

Product Name
Iso Cyclosporin H Trifluoroacetic Acid Salt

Synonyms

(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 \rightarrow 1)-Lactone Trifluoroacetic Acid Salt; 10-(N-Methyl-D-valine)isocyclosporin A Trifluoroacetic Acid Salt; (2S,3R,4R,6E)-3-Hydroxy-4-methyl-2-(methylamino)-6-octenoyl-(2S)-2-

StructureCAS Number

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

Shipping Condition

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

Molecular Formula

C₆₂H₁₁₁N₁₁O₁₂ . x(C₂HF₃O₂)

Source of Product

Synthetic

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: 54.10, %H: 8.20, %N: 10.51
HPLC Purity	Report Result	81.51% (200 nm)
MS	Conforms to Structure	Conforms
TFA Content	Report Result	12.9%
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 \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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			10/31/2023	10/29/2027
swathi reddy Product Quality Specialist	Toni Rantanen Manager, Quality Assurance	Chanell Chu Quality Assurance Associate		