



CERTIFICATE OF ANALYSIS

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1. Identification

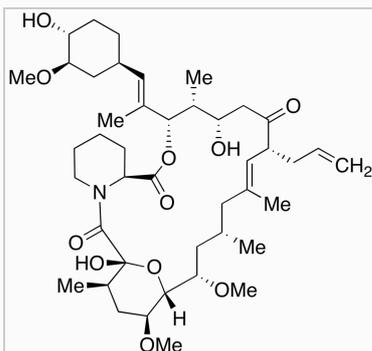
Catalogue Number: N692080

CAS Number: 123719-19-7

Product: 9-Norketo FK-506

Synonym: [3S-[3R*
[E(1S*,3S*,4S*)],4S*,5R*,8S*,9E,12R*,14R*,15S*,16R*,18S*,19S*,25aR*]]-
3,4,5,6,8,11,12,13,14,15,16,17,18,19,23,24,25,25a-Octadecahydro-5,19-
dihydroxy-3-[2-(4-hydroxy-3-methoxycyclohexyl)-1-methylethenyl]-14,16-
dimethoxy-4,10,12,18-tetramethyl-8-(2-propenyl)-15,19-epoxyprido[2,1-c]
[1,4]oxaazacyclodocosine-1,7,20(22H)-trione;

Structure:



Molecular Formula:

C₄₃H₆₉NO₁₁

Molecular weight:

776.01

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 15-VHP-125-2

Purity: 95%

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	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 66.61, %H: 9.16, %N: 2.20
HPLC Purity	Report Result	95.20% (ELSD)

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
Meenakshi Sharma

Reviewed By
Toni Rantanen

C of A Approved By
Chanell Chu

Test Date
5/16/2022

Retest Date
5/14/2026