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## CERTIFICATE OF ANALYSIS

Analysis Date: Jan 2024

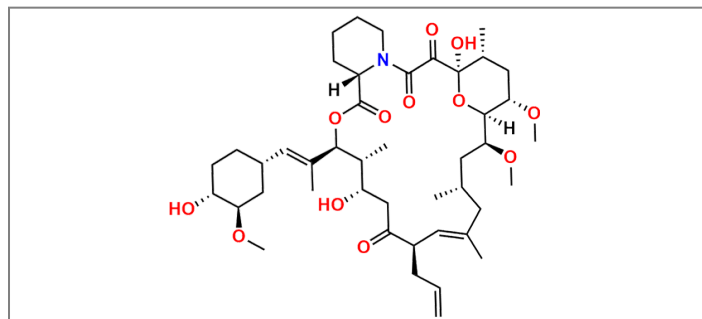
Re-test Date: Dec 2026

**Product Name: Tacrolimus**

### Identification:

Chemical Name: (3S,4R,5S,8R,9E,12S,14S,15R,16S,18R,19R,26aS)-5,19-dihydroxy-3-[(1E)-1-[(1R,3R,4R)-4-hydroxy-3-methoxycyclohexyl]prop-1-en-2-yl]-14,16-dimethoxy-4,10,12,18-tetramethyl-8-(prop-2-en-1-yl)-3,4,5,6,8,11,12,13,14,15,16,17,18,19,24,25,26,26a-octadecahydro-7H-15,19-epoxyprido[2,1-c][1,4]oxaazacyclotricosine-1,7,20,21(23H)-tetrone (as per EP)

Synonyms : NA  
CAS Number : 104987-11-3  
CAT Number : CP-T39000  
Molecular Formula : C<sub>44</sub>H<sub>69</sub>NO<sub>12</sub>  
Molecular Weight : 804.03  
Batch Number : CP-TAC-IN-0124  
Storage Condition : Tightly closed, Inert atmosphere at -20° C  
Shipping condition : At low temperature with dry ice and ice pack gel



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Acetonitrile: Water(70:30)/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	93.03%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.