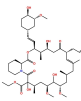




## CERTIFICATE OF ANALYSIS

Date: 03-09-2026

|                                |                                                                                                                                                                                                                                                                                                                       |               |       |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------|
| Product Name                   | Tacrolimus Alcohol Adduct                                                                                                                                                                                                                                                                                             |               |       |
| Chemical Name                  | Ethyl (3S,4R,5S,8R,12S,14S,16S,18R,25aS,E)-8-allyl-5,15,19-trihydroxy-3-((E)-2-((1R,3R,4R)-4-hydroxy-3-methoxycyclohexyl)vinyl)-14,16-dimethoxy-4,10,12,18-tetramethyl-1,7,20-trioxo-1,3,4,5,6,7,8,11,12,13,14,15,16,17,18,19,20,22,23,24,25,25a-decosahydropyrido[2,1-c][1,3]oxa[4]janzacyclododecine-19-carboxylate |               |       |
| Structure                      |                                                                                                                                                                                                                                      |               |       |
| Batch No.                      | -                                                                                                                                                                                                                                                                                                                     | CAS No.       | NA    |
| Analysis Date                  | -                                                                                                                                                                                                                                                                                                                     | Retest Date   | 1     |
| Mol. Formula                   | $C_{60}H_{102}NO_{13}$                                                                                                                                                                                                                                                                                                | Molecular Wt. | 836.1 |
| Long term Storage Condition    | Store at 2-8 °C in well closed container                                                                                                                                                                                                                                                                              |               |       |
| Handling and Transit Condition | 25-30 °C in well closed container                                                                                                                                                                                                                                                                                     |               |       |

| Test                                                                                                                                                                                                                            | Result                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Appearance                                                                                                                                                                                                                      | -                     |
| Solubility                                                                                                                                                                                                                      | -                     |
| <sup>1</sup> H-NMR                                                                                                                                                                                                              | Conforms to structure |
| MASS                                                                                                                                                                                                                            | Conforms to structure |
| Chromatographic Purity                                                                                                                                                                                                          | >90%                  |
| <b>Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.</b> |                       |

|           | Prepared By | Checked By | Approved By |
|-----------|-------------|------------|-------------|
| Signature |             |            |             |
| Date      |             |            |             |

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