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## CERTIFICATE OF ANALYSIS

Analysis Date:

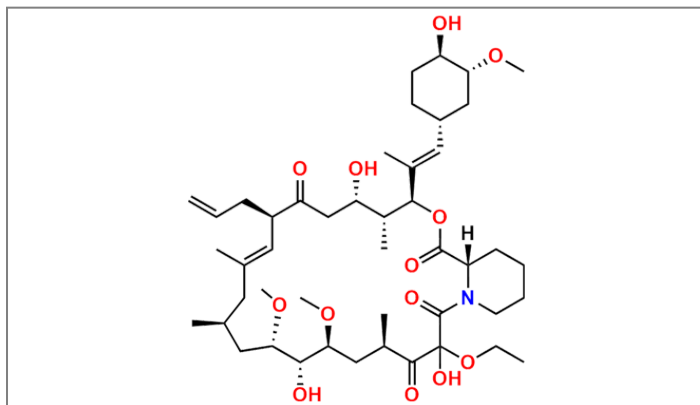
Re-test Date:

**Product Name: Tacrolimus O-ethyl open ring (peak 1)**

### Identification:

Chemical Name: (3S,4R,5S,8R,12S,14S,15R,16S,18R,26aS,E)-8-Allyl-20-ethoxy-5,15,20-trihydroxy-3-[(E)-1-[(1R,3R,4R)-4-hydroxy-3-methoxycyclohexyl]prop-1-en-2-yl]-14,16-dimethoxy-4,10,12,18-tetramethyl-3,4,5,6,11,12,13,14,15,16,17,18,24,25,26,26a-hexadecahydro-7H-pyrido[2,1-c][1]oxa[4]azacyclotricosine-1,7,19,21(8H,20H,23H)-tetraone

Synonyms : NA  
CAS Number : NA  
CAT Number : CP-T39029  
Molecular Formula : C<sub>46</sub>H<sub>75</sub>NO<sub>13</sub>  
Molecular Weight : 850.1



### Analytical Information:

| Sr. No. | Test           | Result                   |
|---------|----------------|--------------------------|
| 1)      | Description    | Solid                    |
| 2)      | Solubility     | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS   | Confirm to structure     |
| 4)      | Purity By HPLC | >95%                     |
| 5)      | H1NMR          | 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.