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CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2025

Re-test Date: Nov 2027

Product Name: Erythromycin EP Impurity M

Identification:

Chemical Name: (3R,4S,5S,6R,7R,9R,11R,12S,13R,14R)-6-(((2S,3R,4S,6R)-4-(Dimethylamino)-3-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-14-ethyl-7,12-dihydroxy-4-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-3-(hydroxymethyl)-5,7,9,11,13-pentamethyloxacyclotetradecane-2,10-dione

Synonyms : Erythromycin G

CAS Number : 616234-56-1

CAT Number : CP-E18038

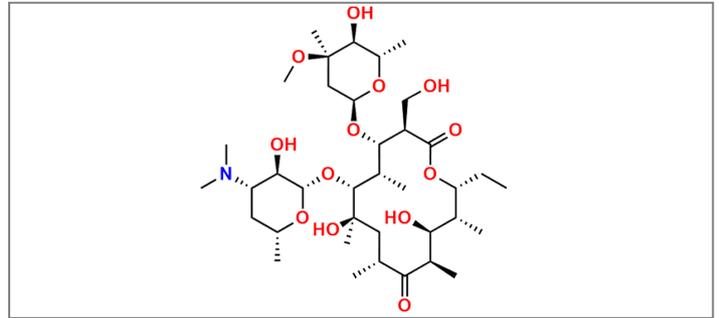
Molecular Formula : C₃₇H₆₇NO₁₃

Molecular Weight : 733.94

Batch Number : CP-ERY-M-0126

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

| Sr. No. | Test | Result |
|---------|--------------------|--------------------------|
| 1) | Description | White Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | 97.68% |
| 5) | ¹ HNMR | Confirm to structure |
| 6) | Weight loss by TGA | 5.533% |
| 7) | Potency by TGA | 92.28% |



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Quality Control)

Approved By

Ms Rohini Gagare
(Quality Assurance)

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