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## CERTIFICATE OF ANALYSIS

Analysis Date: Jan 2026

Re-test Date: Dec 2028

**Product Name: Azithromycin EP Impurity I**

### Identification:

Chemical Name: 3'-N-Demethylazithromycin (as per EP)

Synonyms : N'-Desmethyl Azithromycin; N-Demethylazithromycin (USP)

CAS Number : 172617-84-4

CAT Number : CP-A37009

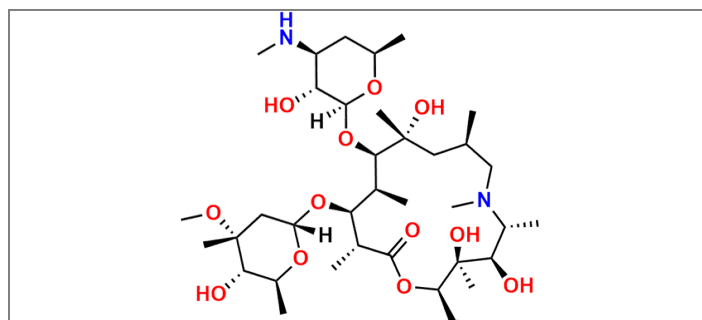
Molecular Formula : C<sub>37</sub>H<sub>70</sub>N<sub>2</sub>O<sub>12</sub>

Molecular Weight : 734.96

Batch Number : CP-AZI-I-0623

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 Methanol/DMSO
3)	Mass Spectrometry	Confirm to structure
4)	Purity By HPLC	98.57%
5)	<sup>1</sup> HNMR	Confirm to structure



### Prepared and Reviewed By

Mr. Shubham Bondre  
(Quality Control)

### Approved By

Mr. Abhijit Kale  
(Quality Assurance)

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