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## CERTIFICATE OF ANALYSIS

Analysis Date: Aug 2024

Re-test Date: Jul 2027

**Product Name: Azithromycin EP Impurity A**

### Identification:

Chemical Name: 9-Deoxo-9a-aza-9a-homoerythromycin A (as per USP)

Synonyms : 6-Demethyl Azithromycin (as per EP) ;  
Desmethylazithromycin ;  
Azaerythromycin A (USP)

CAS Number : 76801-85-9

CAT Number : CP-A37001

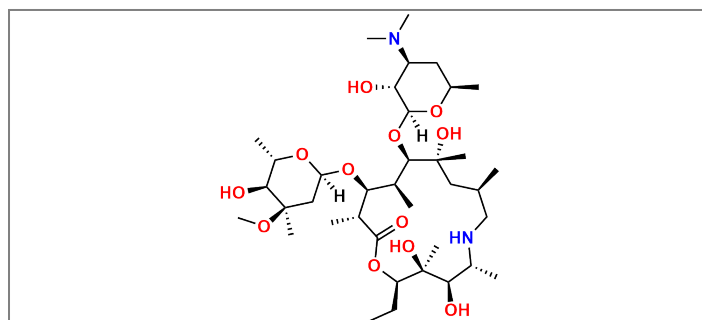
Molecular Formula : C<sub>37</sub>H<sub>70</sub>N<sub>2</sub>O<sub>12</sub>

Molecular Weight : 734.96

Batch Number : CHEM-AZI-A

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	90.99%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	5.820%
8)	Potency by TGA	85.69%



**Prepared and Reviewed By**

A handwritten signature in blue ink, appearing to read "Priyanka Salunkhe".

Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**

A handwritten signature in blue ink, appearing to read "Rohini Gagare".

Ms Rohini Gagare  
(Quality Assurance)

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