



CERTIFICATE OF ANALYSIS



Date: 04-02-2026

Product Name	N-Nitroso Azithromycin Impurity E		
Chemical Name	(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-11-(((2S,3R,4S,6R)-4-amino-3-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-2-ethyl-3,4,10-trihydroxy-13-((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-3,5,8,10,12,14-hexamethyl-6-nitroso-1-oxa-6-azacyclopentadecan-15-one		
Structure	<p>The chemical structure is a complex polycyclic compound. It features a 15-membered macrocyclic lactam ring system. The ring contains several nitrogen atoms (one amide, one imine, and one nitroso group) and a nitro group. There are also multiple hydroxyl groups (OH) and methyl groups (Me) distributed throughout the structure, particularly in the side chains and the macrocyclic ring.</p>		
Batch No.	1	CAS No.	NA
Analysis Date	2	Retest Date	4
Mol. Formula	C ₃₅ H ₄₂ N ₆ O ₁₃	Molecular Wt.	735.91
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	-
1H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

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.

	Prepared By	Checked By	Approved By
Signature			
Date			

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