

## 1. Identification

Catalogue Number

D440860

Lot Number

9-MSI-64-4

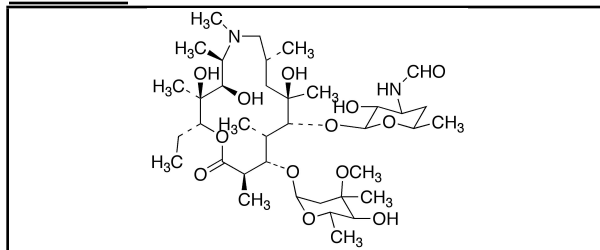
Product Name

3'-N,N-Di(desmethyl)-3'-N-formyl Azithromycin

Synonyms

(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-13-[(2,6-Dideoxy-3-C-methyl-3-O-methyl- $\alpha$ -L-ribo-hexopyranosyl)oxy]-2-ethyl-3,4,10-trihydroxy-3,5,6,8,10,12,14-heptamethyl-11-[[3,4,6-trideoxy-3-(formylamino)- $\beta$ -D-xyllo-hexopyranosyl]oxy]-1-oxa-6-azacyclopentadecan-15-one; Azithromycin Impurity M / USP RRT - 0.37

Structure



CAS Number

765927-71-7

Solubility

Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>37</sub>H<sub>68</sub>N<sub>2</sub>O<sub>13</sub>

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

748.94

Purity

>95%

## 2. Warnings

Not Determined

## 3. Analytical Information

Tests

Appearance

Specifications

White to Pale Brown Solid

Results

Pale Beige to Pale Brown Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 56.34, %H: 8.84, %N: 3.85

HPLC Purity

>95%

98.84% (ELSD)

MS

Conforms to Structure

Conforms

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm$  2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

## 4. Signatures

Reviewed by

Jingning Zhou

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

8/22/2024

Retest Date

8/20/2028