

1. Identification

Catalogue Number

G195002

Lot Number

24-MGG-21-1

Product Name

Gamithromycin-d4 (Major)

Synonyms

;(2R,3S,4R,5S,8R,10R,11R,12S,13S,14R)-13-[(2,6-Dideoxy-3-C-methyl-3-O-methyl- α -L-ribo-hexopyranosyl)oxy]-2-ethyl-3,4,10-trihydroxy-3,5,8,10,12,14-hexamethyl-7-propyl-11-[[[3,4,6-trideoxy-3-(dimethylamino)- β -D-xylo-hexopyranosyl]oxy]-1-oxa-7-azacyclopentadecan-15-one; ML 1709460-d5;

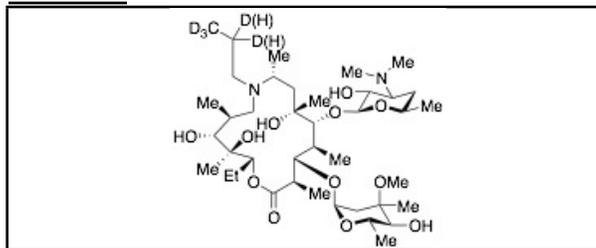
CAS Number

N/A

Solubility

Chloroform (Slightly), Methanol (Slightly)

Structure



Molecular Formula

C₄₀H₇₂D₄N₂O₁₂

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

781.07

Purity

98%

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Pale Yellow Solid

Results

White to Off-White Solid

Elemental Analysis

Conforms

%C: 60.30, %H: 9.54, %N: 3.60

HPLC Purity

Report Result

99.39% (ELSD)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

-39.5° (c = 0.2, Chloroform)

Additional Information

Normalized Intensity: d₀ = 0.00%, d₁ = 0.05%, d₂ = 0.69%, d₃ = 27.92%, d₄ = 47.25%, d₅ = 24.10%

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

R. Reddy

Reviewed by

Toni Rantanen

C of A Approved by

Sadaf Samadi

Test Date

9/3/2024

Retest Date

9/1/2028

Swathi Reddy

Toni Rantanen

Sadaf Samadi

Product Quality Specialist

Manager, Quality Assurance

Quality Assurance Associate