

1. Identification

Catalogue Number

G360595

Lot Number

2023-VIJ-011

Product Name

Gentamicin C2 Pentaacetate Salt (Mixture of C2 and C2a)

Synonyms

O-3-Deoxy-4-C-methyl-3-(methylamino)-β-L-arabinopyranosyl-(16)-O-[2,6-diamino-2,3,4,6,7-pentadeoxy-α-D-ribo-heptopyranosyl-(14)]-2-deoxy-D-streptamine Pentaacetate Salt;

CAS Number

N/A

Solubility

Methanol (Slightly), Water (Slightly)

Molecular Formula

C₂₀H₄₁N₅O₇ • 5CH₃COOH

Source of Product

Synthetic

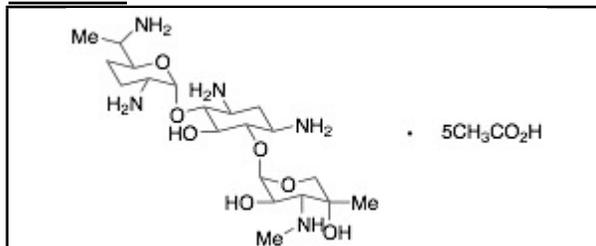
Molecular Weight

463.58 + 5(60.05)

Purity

>95%

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature With Dry Pack

Long Term Storage Conditions

-20°C, Hygroscopic

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Light Beige Solid

Results

Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 46.90, %H: 8.29, %N: 8.82

HPLC Purity

>95%

97.04% (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 ± 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

Swathi Reddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Chanell Chu

Jr. Quality Assurance

Test Date

5/11/2023

Retest Date

5/9/2027