



1. Identification

Catalogue Number

C377680

Lot Number

1-APD-124-5

Product Name

Chlorhexidine Dihydrochloride Impurity B

Synonyms

[[6-[[[(4-Chlorophenyl)carbamidoyl]carbamidoyl]amino]hexyl]carbamidoyl]urea Dihydrochloride; 14-[(4-Chlorophenyl)amino]-3,12,14-triimino-2,4,11,13-tetraazatetradecanamide Dihydrochloride;

CAS Number

1308292-89-8

Solubility

DMSO (Slightly), Methanol (Slightly)

Molecular Formula $C_{16}H_{28}Cl_3N_9O$ **Source of Product**

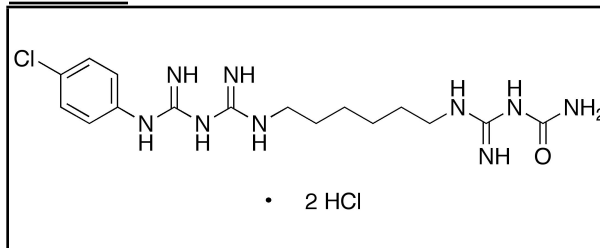
Synthetic

Molecular Weight

468.81

Purity

>95%

Structure**Shipping Condition**

This Product Is Stable To Be Shipped At Room Temperature

Long Term Storage Conditions

4°C, Inert atmosphere

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 37.52, %H: 6.37, %N: 24.18

HPLC Purity

>95%

96.00% (260 nm)

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

Jessica Wang Chi

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Sadaf Samadi

Quality Assurance Associate

Test Date

6/9/2025

Retest Date

6/7/2032