

## 1. Identification

### Catalogue Number

C426500

### Lot Number

4-MFI-177-1

### Product Name

Chlortetracycline Hydrochloride

### Synonyms

(4S,4aS,5aS,6S,12aS)-7-Chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide Hydrochloride; Aureocyclina; Aureocycline; Aureomycin Hydrochloride; Aureomycin Monohydrochloride; Aureovit 12C80; Aureofac 100; Biomycin Hydrochloride; Chlortetracyclinium Chloride; Fermycin Soluble; Isphamycin; NSC 122728

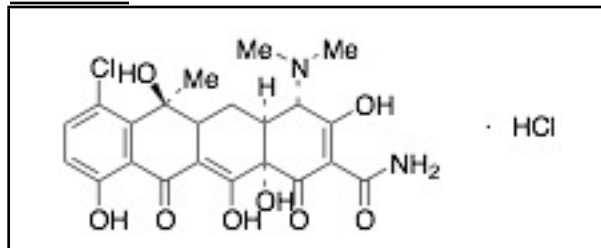
### CAS Number

64-72-2

### Solubility

Methanol (Very Slightly), Water (Slightly)

### Structure



### Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

### Molecular Formula

C<sub>22</sub>H<sub>23</sub>ClN<sub>2</sub>O<sub>8</sub>·ClH

### Source of Product

N/A

### Long Term Storage Conditions

-20°C

### Molecular Weight

515.34

### Purity

95%

## 2. Warnings

Not Determined

## 3. Analytical Information

### Tests

Appearance

### Specifications

Light Yellow to Dark Yellow Solid

### Results

Dark Yellow Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 51.26, %H: 4.85, %N: 5.48

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



Meenakshi Sharma

Product Quality Specialist

### Reviewed by



Toni Rantanen

Manager, Quality Assurance

### C of A Approved by



Chanell Chu

Quality Assurance Associate

### Test Date

11/29/2023

### Retest Date

11/27/2027