

1. Identification

Catalogue Number

D194500

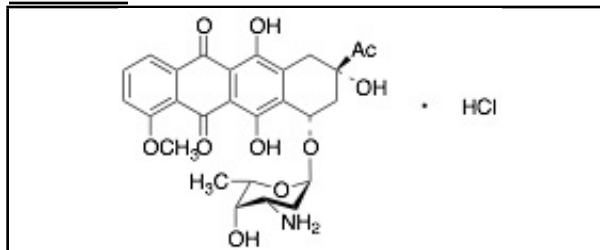
Lot Number

5-ARP-47-1

Product Name

Daunorubicin Hydrochloride

Structure



Synonyms

(8S,10S)-8-Acetyl-10-[(3-amino-2,3,6-trideoxy- α -L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-5,12-naphthacenedione Hydrochloride; (8S-cis)-Daunomycin Hydrochloride; Cerubidine; Daunoblastin; Daunomycin Chlorohydrate; NDC 0082-4155; Ondena; RP 13057 Hydrochloride; Rubidomycin Hydrochloride;

CAS Number

23541-50-6

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

$C_{27}H_{29}NO_{10} \cdot HCl$

Source of Product

N/A

Long Term Storage Conditions

-20°C

Molecular Weight

527.53 + 36.46

Purity

96%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

Orange to Very Dark Red Solid

Results

Red to Dark Red Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 54.44, %H: 5.25, %N: 2.39

MS

Conforms to Structure

Conforms

Chloride Content

Report Result

97.80% (235 nm)

Chloride Content

Report Result

7.6%

Specific Rotation

Report Result

+231.3° (c = 0.3, Methanol)

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

Evan Burns

Reviewed by

C of A Approved by

Test Date

3/30/2022

Retest Date

3/28/2026

Evan Burns

Toni Rantanen

Chanell Chu

Product Quality Specialist

Manager, Quality Assurance

Jr. Quality Assurance