

Pirarubicin

CERTIFICATE OF ANALYSIS

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1. Identification

Product:

Structure:

Catalogue P501500 CAS 72496-41-4 Number: Number:

OH

ÓН

Synonym: (8S,10S)-10-[[3-Amino-2,3,6-trideoxy-4-O-

> [(2R)-tetrahydro-2H-pyran-2-yl]-a-L-lyxohexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(2-hydroxyacetyl)-1methoxy-5,12-naphthacenedione; Pinorubicin;

Therarubicin;

Molecular Formula:

OH

OH

C32H37NO12 Molecular weight:

627.64

Source of Product:

N/A

Solubility:

Chloroform (Slightly), Methanol (Slightly, Heated)

Purity:

98%

Storage Condition: -20°C

Lot

8-AZP-85-1 Number: This Product Is Stable To Be

OMe O

Me

Shipping Condition: Shipped At Room Temperature

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results: Red Solid **Appearance** Orange to Red Solid NMR Conforms to Structure Conforms

Elemental Conforms %C: 59.69, %H: 6.00, %N: 2.14 **Analysis**

HPLC Purity Report Result 98.70% (235 nm)

MS Conforms to Structure Conforms

 $+201.4^{\circ}$ (c = 0.2, Chloroform) Specific Rotation Report Result

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

C of A Approved **Reviewed By Reviewed By Test Date Retest Date** By Evan Burns Toni Rantanen Chanell Chu 9/7/2021 9/5/2025

Evan Burns