



CERTIFICATE OF ANALYSIS

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1. Identification

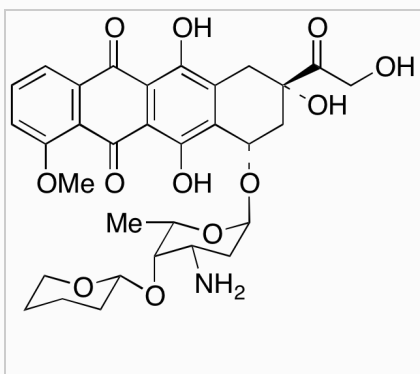
Catalogue Number: P501500

CAS Number: 72496-41-4

Product: Pirarubicin

Synonym: (8S,10S)-10-[[[3-Amino-2,3,6-trideoxy-4-O-[(2R)-tetrahydro-2H-pyran-2-yl]-α-L-lyxo-hexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(2-hydroxyacetyl)-1-methoxy-5,12-naphthacenedione; Pinorubicin; Therarubicin;

Structure:



Molecular Formula:

C₃₂H₃₇NO₁₂

Molecular weight:

627.64

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly, Heated)

Lot Number: 7-AZP-160-1

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Orange to Red Solid	Orange to Red Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+210.0° (c = 0.2, Chloroform)
Elemental Analysis	Conforms	%C: 59.94, %H: 5.98, %N: 2.24
HPLC Purity	Report Result	98.29% (235 nm)

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	6/14/2021	6/12/2025