



CERTIFICATE OF ANALYSIS

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1. Identification

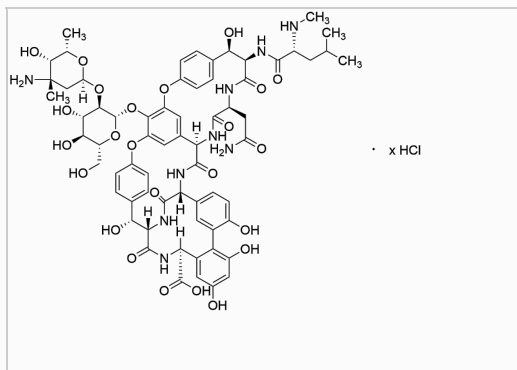
Catalogue Number: D440958

CAS Number: NA

Product: Didechloro Vancomycin Hydrochloride (Technical Grade)(Vancomycin Impurity)

Synonym: Vancomycin Impurity;

Structure:



Molecular Formula:

$C_{66}H_{77}N_9O_{24} \cdot x(HCl)$

Molecular weight:

1380.36 + x(36.46)

Source of Product:

Synthetic

Solubility:

Methanol (Slightly, Heated),
Water (Slightly)

Lot Number: 16-MJC-99-1

Purity: ~75%

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:
NMR	Conforms to structure	Conforms
MS	Conforms to Structure	Conforms
Melting Point	Report Results	>130°C (dec.)
Water Content	Report Result	Refer: Additional Information
Anion Content	Report Results	Refer: Additional Information
Elemental Analysis	Conforms	Refer: Additional Information
Appearance		Off-White to Pale Yellow Solid

Additional Information:

TLC Conditions: C18; Methanol : Water : Ammonium Hydroxide = 8 : 2 : 0.2; Visualized with UV, AMCS, and KMnO₄; R_f = 0.50. 1H NMR and MS conform to structure. Elemental Analysis: (Found) %C: 44.75, %H: 5.57, %N: 7.04; (Calculated) %C: 57.43, %H: 5.62, %N: 9.13 (free base) Chloride Content: 8.1%

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
Philip Chan			2/7/2018	2/5/2028

