



CERTIFICATE OF ANALYSIS

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1. Identification

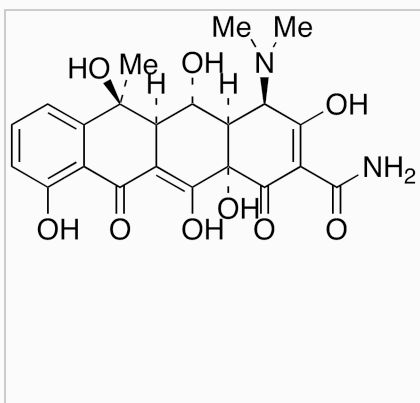
Catalogue Number: 0877505

CAS Number: 14206-58-7

Product: 4-epi-Oxytetracycline

Synonym: [4R-(4a,4a β ,5 β ,5a β ,6a,12a β)]-4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a

Structure:



Molecular Formula:

C₂₂H₂₄N₂O₉

Molecular weight:

460.44

Source of Product:

Synthetic

Solubility:

Aqueous Acid (Slightly, Heated, Sonicated), DMSO (Slightly), Methanol (Slightly,

Lot Number: 23-AKS-96-5

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped With Blue Ice

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Yellow to Brown Solid	Light Brown Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 55.53, %H: 5.66, %N: 5.51
HPLC Purity	Report Result	99.16% (360 nm)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-248.1° (c = 0.1, 0.1N HCl)

Additional Information: Contains: ~1.8% Acetone, ~2.6% Methanol

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Swathi Reddy	Toni Rantanen	Chanell Chu	11/21/2022	11/19/2026