



CERTIFICATE OF ANALYSIS

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1. Identification

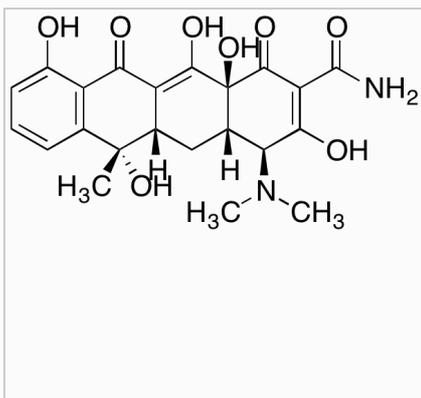
Catalogue Number: T291413

CAS Number: 60-54-8

Product: Tetracycline

Synonym: (4S,4aS,5aS,6S,12aS)-4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide; (-)-Tetracycline; Abramycin; Achromycin; Achromycin (naphthacene derivative); Acromicina; Actisite; Agromicina; Akne-Pyodron; Akne-Pyodron Kur; Ambramicina; Ambramycin; Apo-Tetra; Arcanacycline; Bio-Tetra; Biocycline; Britacidina; Calociclina; Cidibion; Cyclomycin; Cytome; Deschlorobiomycin; Dispatetrin; Economycin; Enterocycline; Florocycline; Gammatet

Structure:



Molecular Formula:

C₂₂H₂₄N₂O₈

Molecular weight:

444.44

Source of Product:

N/A

Solubility:

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

Lot Number: 711873204-2-1

Purity: 95%

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	Yellow to Very Dark Yellow Solid	Dark Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 56.92, %H: 5.67, %N: 6.11
HPLC Purity	Report Result	95.48% (360 nm)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-227.0° (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 ± 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	9/28/2023	9/26/2027
