

Product Information

Compound Name

Tobramycin Impurity 1

Synonyms

[(2R,3R,5S,6R)-6-(aminomethyl)-2-[[[(1R,2R,3S,4R,6S)-4,6-diamino-3-[[[(2S,3R,4S,5S,6R)-4-amino-3,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy}-2-hydroxycyclohexyl]oxy}-5-hydroxyoxan-3-yl]urea

Chemical Formula

C₁₉H₃₈O₁₀N₆

Molecular Weight

510.54

Catalogue Number

T0073.02

Lot No.

UAT-025-22

Long-Term Storage Conditions

2-8 °C, Darkness

Shipping Conditions

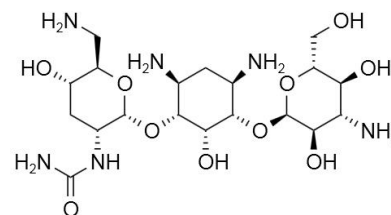
Ambient

Appearance

Off-white Solid

Test Date: Aug. 18, 2025

Re-test Date: Aug. 17, 2028



CAS No. : 64332-33-8

Analytical Information

Solubility

H₂O

Weight Loss by TGA

3.42%

Method for Determining Identity

MS, ¹H NMR (D₂O), ¹³C NMR (D₂O), IR, TGA

Purity (ELSD)

99.85%

Potency

96.43%

QA Manager

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CERTIFICATE OF ANALYSIS