

Analysis Date: 25-09-2025

Re-test Date: 25-09-2028

TOBRAMYCIN IMPURITY 1

Identification

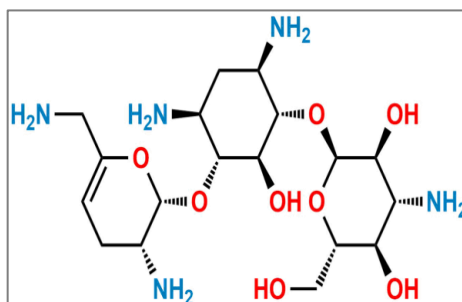
Chemical Name : (2R,3S,4R,5R,6S)-4-amino-2-(((1S,2S,3R,4S,6R)-4,6-diamino-3-(((2S,3R)-3-amino-6-(aminomethyl)-3,4-dihydro-2H-pyran-2-yl)oxy)-2-hydroxycyclohexyl)oxy)-6-(hydroxymethyl)tetrahydro-2H-pyran-3,5-diol

CAT No : ALL-T03508

CAS No : NA

Molecular Formula : C₁₈H₃₅N₅O₈

Molecular Weight : 449.5



Analytical Information

Batch Number	: ALL-T03508	HPLC Purity	: 98.00%
Solubility	: MeOH: ACN	Potency	: 95.71 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 0C	IR Analysis	: Confirm
Weight Loss By TGA	: 1.483 %	¹H NMR	: Confirm
Residue Of Ignition	: 0.849 %		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (1.483+0.849) × 98.00]/100 = 95.71%

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, 1H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office