

Analysis Date: 24-09-2025

Re-test Date: 24-09-2028

TOBRAMYCIN IMPURITY 5
Identification

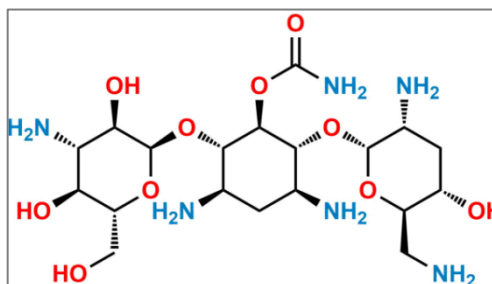
Chemical Name : (1S,2S,3R,5S,6R)-3,5-diamino-2-(((2S,3R,4S,5S,6R)-4-amino-3,5-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)-6-(((2R,3R,5S,6R)-3-amino-6-(aminomethyl)-5-hydroxytetrahydro-2H-pyran-2-yl)oxy)cyclohexyl carbamate

CAT No : ALL-T06009

CAS No : N.A.

Molecular Formula : C₁₉H₃₈N₆O₁₀

Molecular Weight : 510.5


Analytical Information

Batch Code	: ALL-T06009	HPLC Purity	: 98.00 %
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 96.51%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.711%	¹H NMR	: Confirm
Residue Of Ignition	: 0.801%		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (0.711+0.801) × 98.00 %]/100 = 96.51%

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