

Analysis Date: 24-09-2025

Re-test Date: 24-09-2028

## TOBRAMYCIN IMPURITY 3

### Identification

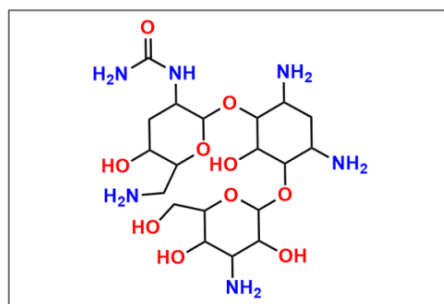
**Chemical Name** : 1-(6-(Aminomethyl)-2-((4,6-diamino-3-((4-amino-3,5-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)-2-hydroxycyclohexyl)oxy)-5-hydroxytetrahydro-2H-pyran-3-yl)urea

**CAT No** : ALL-T03810

**CAS No** : 64332-33-8

**Molecular Formula** : C<sub>19</sub>H<sub>38</sub>N<sub>6</sub>O<sub>10</sub>

**Molecular Weight** : 510.5



### Analytical Information

<b>Batch Code</b>	: ALL-T03810	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 97.55%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20°C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.266%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.187%		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (0.266+0.187) × 98.00]/100 = 97.55%

**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, <sup>1</sup>H NMR, IR, TGA

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

#### Corporate Office