

Analysis Date: 25-09-2025

Re-test Date: 25-09-2028

## TOBRAMYCIN IMPURITY 6

### Identification

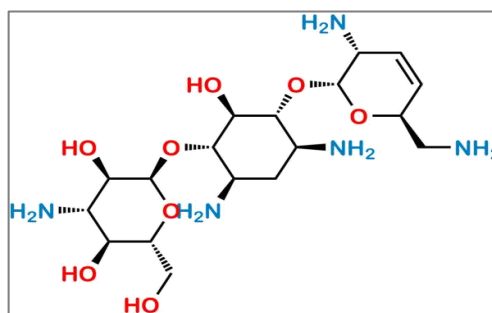
**Chemical Name** : (2S,3R,4S,5S,6R)-4-amino-2-(((1S,2S,3R,4S,6R)-4,6-diamino-3-(((2R,3R,6S)-3-amino-6-(aminomethyl)-3,6-dihydro-2H-pyran-2-yl)oxy)-2-hydroxycyclohexyl)oxy)-6-(hydroxymethyl)tetrahydro-2H-pyran-3,5-diol

**CAT No** : ALL-T00478

**CAS No** : 63770-47-8

**Molecular Formula** : C<sub>18</sub>H<sub>35</sub>N<sub>5</sub>O<sub>8</sub>

**Molecular Weight** : 449.5



### Analytical Information

<b>Batch Code</b>	: ALL-T00478	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.82%
<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>	: 0.620%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.578%		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (0.620+0.578) × 98.00]/100 = 96.82%

**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