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## CERTIFICATE OF ANALYSIS

Analysis Date:

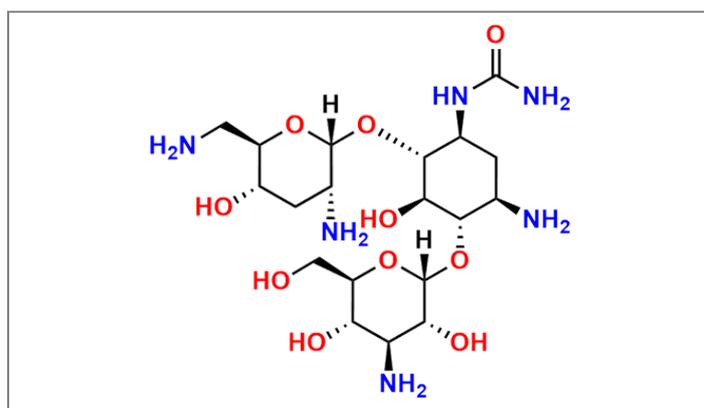
Re-test Date:

**Product Name: Tobramycin Impurity F**

**Identification:**

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

Synonyms : 3-N-carbamyltobramycin  
CAS Number : NA  
CAT Number : CP-T96011  
Molecular Formula : C<sub>19</sub>H<sub>38</sub>N<sub>6</sub>O<sub>10</sub>  
Molecular Weight : 510.5



**Analytical Information:**

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure

**Prepared and Reviewed By**

**Approved By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.