

Certificate Of Analysis

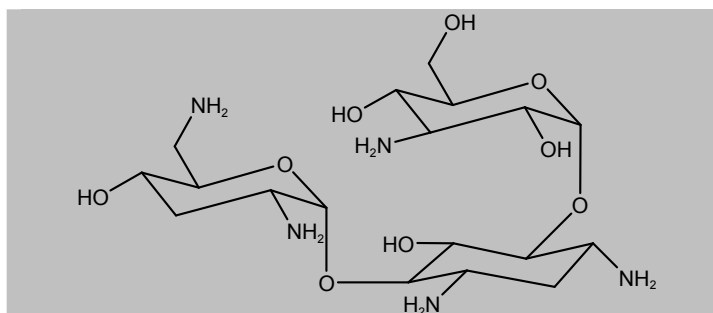
Quality Control Testing and Research Application

COA Preparation Date: 24/09/2013
COA Revision Date: 24/09/2016

Product: Tobramycin
Cat. No.: BG0343
Batch No.: 0343BG/01
Chemical Name: O-3-Amino-3-deoxy- α -D-glucopyranosyl-(1-4)-O-(2,6-diamino-2,3,6-trideoxy- α -D-ribohexopyranosyl-(1-4))-2-deoxy-D-streptomine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₃₇N₅O₉
Batch Molecular Weight: 467.51
CAS No.: [32986-56-4]
Physical Appearance: White hygroscopic powder
Melting Point:
Solubility: Soluble in water
Storage: Desiccate at RT
Batch Molecular Structure:



Product Description: An aminoglycoside, broad-spectrum antibiotic produced by *Streptomyces tenebrarius*. It is effective against gram-negative bacteria, especially the *Pseudomonas* species.

References: 1. Singh (2001) Curr Opin Investig Drugs 2:755; 2. Cheer et al. (2003) Drugs 63:2501

- CAUTION - Not fully tested. For Research use only. Not for human use. -



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BG0343 Tobramycin

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: pH: 10.25 (complies); Water (KF): 6.12% (complies); Residue on ignition: 0.09% (complies); Heavy Metals: < 30 ppm (complies); Assay: 956 µg/mg (complies).

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