

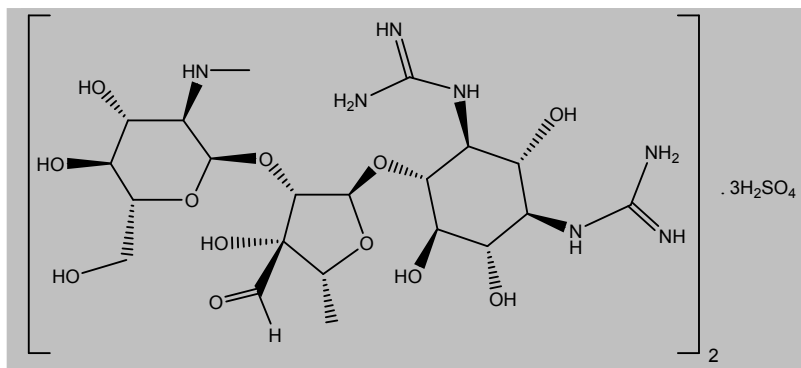
Certificate Of Analysis
Quality Control Testing and Research Application

COA Preparation Date: 23/09/2013
 COA Revision Date: 23/09/2016

Product: Streptomycin sulfate
Cat. No.: BG0320
Batch No.: 0320BG/01
Chemical Name: O-2-Deoxy-2-(methylamino)- α -L-glucopyranosyl-(1-2)-O-5-deoxy-3-C-formyl- α -L-lyxofuranosyl-(1-4)-*N,N'*-bis(aminoiminomethyl)-D-Streptamine sulfate (2:3) salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $(C_{21}H_{39}N_7O_{12})_2 \cdot 3H_2SO_4$
Batch Molecular Weight: 1457.38
CAS No.: [3810-74-0]
Physical Appearance: White crystal powder
Melting Point (°C):
Solubility: Soluble to 20 mg/ml in water
Storage: RT
Batch Molecular Structure:



Product Description: Aminoglycosides like Streptomycin irreversibly bind to specific 30S-subunit proteins and 16S rRNA. Specifically Streptomycin binds to four nucleotides of 16S rRNA and a single amino acid of protein S12.

References: 1. Bagger-Sjoberg (1997) Ann N Y Acad Sci 830:120

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

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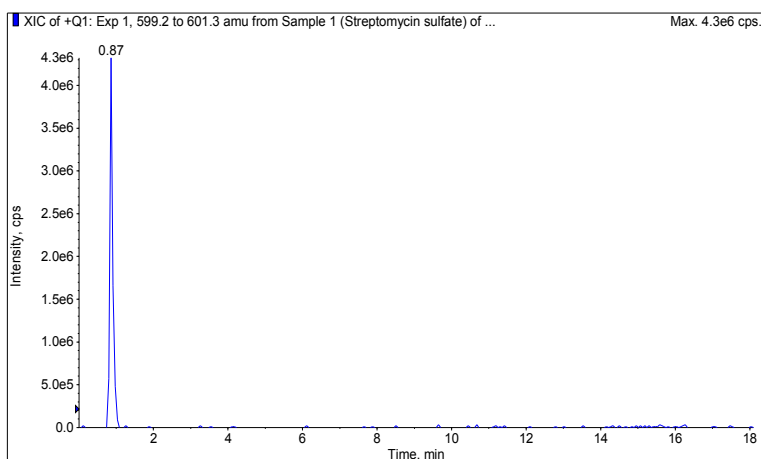
BG0320 Streptomycin sulfate

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: pH: 5.62 (complies); Loss on drying: 5.11% (complies); Sulphated ash: 0.61% (complies); Sulphate: 19.3%; Heavy Metals: < 20 ppm (complies); Assay (dried basis): 756 U/mg (complies).



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