

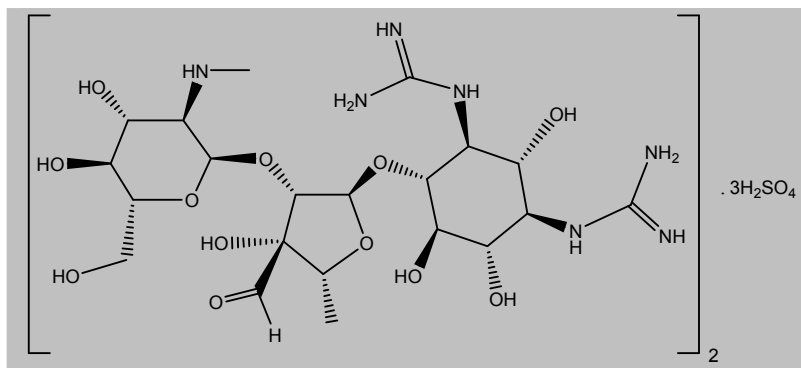
**Certificate Of Analysis**  
**Quality Control Testing and Research Application**

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

**Product:** Streptomycin sulfate  
**Cat. No.:** BG0320  
**Batch No.:** 0320BG/02  
**Chemical Name:** O-2-Deoxy-2-(methylamino)- $\alpha$ -L-glucopyranosyl-(1-2)-O-5-deoxy-3-C-formyl- $\alpha$ -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:**  
**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. -



**BIOTREND** Chemicals AG  
Unterdorfstr. 21  
CH-8602 Wangen / Zurich  
Switzerland  
Tel + 41 44 805 76 76  
Fax +41 44 805 76 77  
Email: [techserv@biotrend.ch](mailto:techserv@biotrend.ch)  
[www.biotrend.ch](http://www.biotrend.ch)

**Certificate Of Analysis**  
**Quality Control Testing and Research Application**

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

**BG0320 Streptomycin sulfate**

**2. ANALYTICAL DATA**

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: pH: 6.4 (complies); Loss on drying: 6.0% (complies); Sulphated ash: 0.4% (complies); Sulphate: 19.9%; Heavy Metals: < 20 ppm (complies); Assay (dried basis): 748 U/mg (complies).

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