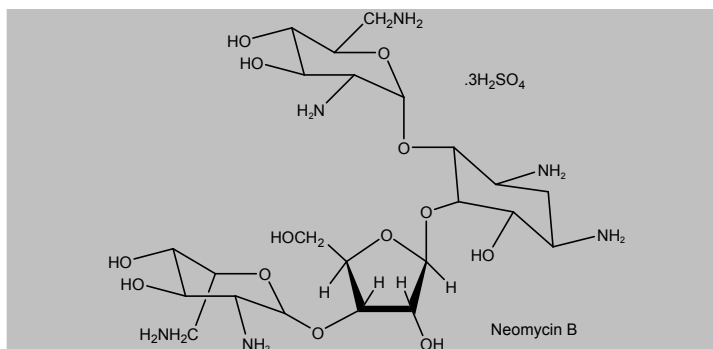


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 26/09/2013
COA Revision Date: 26/09/2016

Product: Neomycin sulfate
Cat. No.: BG0441
Batch No.: 0441BG/01
Chemical Name:

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₄₆N₆O₁₃ .3H₂SO₄
Batch Molecular Weight: 908.88
CAS No.: [1405-10-3]
Physical Appearance: White solid
Melting Point:
Solubility: Soluble to 10 mg/ml in water
Storage: -20° C
Batch Molecular Structure:



Product Description: **An Aminoglycoside antibiotic. It inhibits Phospholipase C (IC₅₀ = 1-10 µM) via binding to Inositol phospholipids and also inhibits Phosphatidylcholine-PLD activity (IC₅₀ = 65 µM). It induces Ca²⁺ mobilization and Phospholipase A₂ activation in human platelets.**

References: 1. Griffin et al. (1980) J Neurochem 34:750; 2. Vergara et al. (1985) Proc Natl Acad Sci USA 82:6352; 3. Carney et al. (1985) Cell 42:479; 4. Gabev et al. (1989) Biochim Biophys Acta 979:105; 5. Liscovitch et al. (1991) Biochem J 279:319; 6. Nakashima et al. (1987) Biochem Biophys Res Commun 146:820

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



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BG0441 Neomycin sulfate

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC assay: 85% Neomycin B, remainder Neomycin C (complies).

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