Neomycin A Sulfate (Neamine),
EvoPure®
PRODUCT DATA SHEET
issue date 11/21/2018

Product Name: Neomycin A Sulfate (Neamine), EvoPure®
Product Number: N026
CAS Number: 3947-65-7
Molecular Formula: \( \text{C}_{12}\text{H}_{26}\text{N}_{4}\text{O}_{6} \cdot \text{xH}_{2}\text{SO}_{4} \)
Molecular Weight: 322.358 (Free Base)
Storage Conditions: 
-20°C

Description:
Neomycin A sulfate, EvoPure® also known as neamine, is a highly purified neomycin compound found in standard grade neomycin. Neomycin A has been found to have the lowest antibacterial activity; about 10% of the activity of neomycin B. Interestingly, recent research has found neomycin A to inhibit angiogenin translocation in tumor cell nuclei effectively inhibiting tumor growth. Neomycin A (neamine) has a lower toxicity profile than other neomycin components making it a favorable drug for cancer research.

For more neomycin products, click here.

Spectrum:
Neomycin is effective against certain Gram negative and Gram positive bacteria; however, neomycin A is most likely less potent than standard grade neomycin or neomycin B.

Cancer Applications
Neomycin A, EvoPure can be used to study its effects on tumor growth and angiogenesis.

Technical Data:
HPLC, NMR, FTIR, and MS analysis may be available. For more info, please email info@toku-e.com.

References:


