

CERTIFICATE OF ANALYSIS

PRODUCT:	Neomycin C Sulfate (1R,2R,3S,4R,6S)-4,6-diamino-2-[[3-O-(2,6-diamino-2,6-dideoxy-alpha-D-glucopyranosyl)-beta-D-ribofuranosyl]oxy]-3-hydroxycyclohexyl 2,6-diamino-2,6-dideoxy-alpha-D-glucopyranoside C₂₃H₄₆N₆O₁₃ · H₂SO₄, M.W. 614.64, CAS# [66-86-4]
PRODUCT NUMBER:	N-1055
LOT NUMBER:	J1185
APPEARANCE:	White powder
PURITY (HPLC, as is):	98.25%

IDENTIFICATION

(Mass):	Conforms
(NMR):	Conforms
(FTIR):	Conforms

Neomycins are a family of broad-spectrum highly toxic antibiotics produced by *Streptomyces fradiae*. Neomycin usually exists as a complex composed of two stereoisomers, Neomycin B and Neomycin C, which are the two active components. A third component, Neomycin A, which is a degradation product, is present in small quantities. Despite its similarity to neomycin B, neomycin C is thought to only have approximately 35% of the biological activity of neomycin B.

STORAGE & HANDLING: Store desiccated at -20°C.

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved. Verified: KS