

CERTIFICATE OF ANALYSIS

PRODUCT:	Capreomycin (2S)-2,5-diamino-N-(((2S,5R,11S,15R,Z)-15-amino-11-(2-amino-3,4,5,6-tetrahydropyrimidin-4-yl)-2-(hydroxymethyl)-3,6,9,12,16-pentaoxo-8-(ureidomethylene)-1,4,7,10,13-pentaazacyclohexadecan-5-yl)methyl)pentanamide,monosulfate C₂₄H₄₂N₁₄O₈ · H₂SO₄, M.W. 752.8, CAS# [1405-37-4]
PRODUCT NUMBER:	C-2607
LOT NUMBER:	J1251
APPEARANCE:	White powder
ACTIVITY:	860.0 IU/mg
PURITY:	≥ 700 IU/mg
DESCRIPTION:	Capreomycin sulfate is a salt of a complex of cyclic pentopeptides isolated from <i>Streptomyces capreolus</i> , first reported in 1962. The sulfate salt is the most commonly accessible formulation of capreomycin and is used for pharmaceutical applications. The complex has two major components, IA and IB, with an exocyclic lysine residue and two minor delysinyll components, IIA and IIB. Capreomycin is a potent antibiotic with activity against mycobacteria, Gram positive and Gram negative organisms. Capreomycin acts by binding to the 23S ribosomal subunit, disrupting protein synthesis.
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: KLS