Product Name: Capreomycin sulfate

Product Number: C003

CAS Number: 1405-37-4

Molecular Formula:
1A: C_{25}H_{44}N_{14}O_{8} \cdot H_{2}SO_{4}
1B: C_{25}H_{44}N_{14}O_{7} \cdot H_{2}SO_{4}

Molecular Weight:
Capreomycin 1A: 766.78
Capreomycin 1B: 750.78

Form: Powder

Appearance: White or almost white powder

Solubility: Water: Freely soluble

Source: Streptomyces capreus.

pH: 4.5-7.5

Storage Conditions: -20°C

Description: Capreomycin sulfate is a freely soluble bacteriostatic aminoglycoside antibiotic.

Mechanism of Action: The mode of action of capreomycin is not well defined but it is thought to inhibit protein synthesis by inhibiting normal ribosomal functions.

Spectrum: Capreomycin is used primarily against Mycobacterium tuberculosis.