

Product Name:	Capreomycin sulfate
Product Number:	C003
CAS Number:	1405-37-4
Molecular Formula:	1A: $C_{25}H_{44}N_{14}O_8 \cdot H_2SO_4$ 1B: $C_{25}H_{44}N_{14}O_7 \cdot H_2SO_4$
Molecular Weight:	Capreomycin 1A: 766.78 Capreomycin 1B: 750.78
Form:	Powder
Appearance:	White or almost white powder
Solubility:	Water: Freely soluble
Source:	<i>Streptomyces caprealus</i> .
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 <i>Mycobacterium tuberculosis</i> .
References:	Liu, X. M., and J. P. Xiu. "Action and Resistance Mechanisms of Capreomycin: A Functional Genomic Perspective." <i>Institute of Modern Biopharmaceuticals</i> 43.8 (2008): 788-92. www.ncbi.gov . Web. 27 Aug. 2012.