

Product Name:	Ribostamycin sulfate
Product Number:	R002
CAS Number:	53797-35-6
Molecular Formula:	$C_{17}H_{34}N_4O_{10} \cdot H_2SO_4$
Molecular Weight:	552.55
Form:	Powder
Appearance:	White or almost white powder
Source:	<i>Streptomyces Ribosidificus</i>
pH:	6.0-8.0
Storage Conditions:	2-8°C
Description:	Ribostamycin is an aminoglycoside antibiotic and is freely soluble in aqueous solution at 88.7 mg/mL.
Mechanism of Action:	Aminoglycosides target the 30S ribosomal subunit resulting in an inability to read mRNA ultimately producing a faulty or nonexistent protein.
Spectrum:	Ribostamycin is a broad spectrum antibiotic targeting a wide range of gram positive and gram negative bacteria.
References:	Davis, Bernard D. "Mechanism of Bactericidal Action of Aminoglycosides." <i>Microbiological Reviews</i> 51.3 (1987): 341-50.