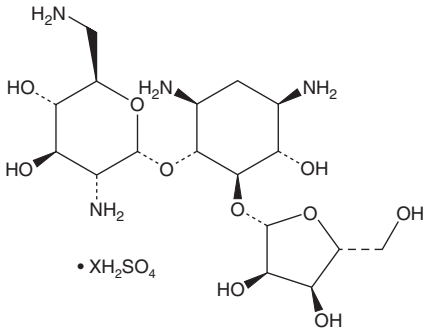
PRODUCT INFORMATION

Ribostamycin (sulfate)

Item No. 46261



CAS Registry No.:	53797-35-6
Formal Name:	O-2,6-diamino-2,6-dideoxy-α-D-glucopyranosyl-(1→4)-O-[β-D-ribofuranosyl-(1→5)]-2-deoxy-D-streptamine, suflate
MF:	$C_{17}H_{34}N_4O_{10} \bullet XH_2SO_4$
FW:	454.5
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Ribostamycin (sulfate) is supplied as a solid. Aqueous solutions of ribostamycin (sulfate) can be prepared by directly dissolving the solid in aqueous buffers. Ribostamycin (sulfate) is soluble (≥10 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

Ribostamycin is an aminoglycoside antibiotic that has been found in *S. ribosidificus*.[1,2] It is active against *E. coli*, *S. epidermidis*, and *H. influenzae* (MICs = 0.5-7.2 µM).[2]

References

1. Hoshiko, S., Nojiri, C., Matsunaga, K., *et al.* Nucleotide sequence of the ribostamycin phosphotransferase gene and of its control region in *Streptomyces ribosidificus*. *Gene* **68(2),** 285-296 (1988).
2. Kong, J., Wu, Z.-X., Wei, L., *et al.* Exploration of antibiotic activity of aminoglycosides, in particular ribostamycin alone and in combination with ethylenediaminetetraacetic acid against pathogenic bacteria. *Front. Microbiol.* **11,** 1718 (2020).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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