

Product Information Sheet

S7739

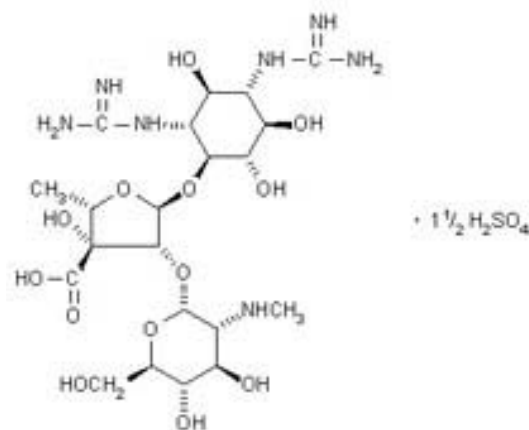
Streptomycin Sulfate Solution (250 mg/mL)

Synonyms: O-2-Deoxy-2-(methylamino)- α -L-glucopyranosyl-(1 \rightarrow 2)-O-5-deoxy-3-C-formyl- α -L-lyxofuranosyl-(1 \rightarrow 4)-N,N'-bis(aminoiminomethyl)-D-streptamine Sulfate

CAS: 3810-74-0

Formula: $(C_{21}H_{39}N_7O_{12})_2 \cdot 3H_2SO_4$

Mol. Weight: 1457.4



Properties

Form: Liquid
 Appearance: Beige, Clear Liquid
 Application: Plant Tissue Culture Antibiotic
 Solubility: Miscible with Water
 Storage Temp: 2 to 6 °C
 Other Notes: This product is sterile filtered.

Application Notes

Streptomycin is an aminoglycoside antibiotic. It has similar mode of action to those of gentamicin in which it inhibits the initiation, elongation and termination of protein synthesis by binding to the 30S subunit and sometimes the 50S subunit of the bacterial ribosome. Similar to gentamicin, streptomycin is effective against many Gram-negative aerobes, e.g., *Brucella*, *Escherichia*, *Enterobacter*, *Francisella*, *Yersinia*, etc., and some strains of staphylococci.²

It has been reported to be incompatible with acids and alkalis.²

PhytoTechnology Laboratories® also carries streptomycin sulfate powder (Product No. S739).

Please Note: It is the sole responsibility of the purchaser to determine the appropriateness of this product for the specific plants that are being cultured and applications that are being used.

References

1. *Merck* **13**, 8905
2. *Martindale: The Complete Drug Reference*, 35th ed., Paul S. Blake, Ed. (Royal Pharmaceutical Society, 2007), p. 297.

India Contact

Life Technologies (India) Pvt Ltd.

306, Agarwal City Mall, Road 44, Pitampura, Delhi - 110034 (India)

S7739-Info

Tel: +91-11-4220-8000; 4220-8111; 4220-8222 Fax: +91-11-4220-8444, Mobile: +91-98105-21400

Email - customerservice@lifetechindia.com | customerservice@atzlabs.com

Page 1 of 1
 Revised Mar 2013