

## Streptomycin Sulfate

### Product Information

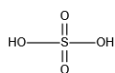
Product Name	Cat#	Size
Streptomycin Sulfate	60211ES25	25 g
	60211ES60	100 g

### Product Description

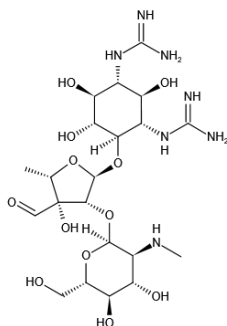
Streptomycin sulfate is an aminocyclitol glycoside antibiotic which interferes with protein synthesis in prokaryotes. This antibiotic is effective against both gram-positive and gram-negative bacteria, and is frequently used in cell culture media. Streptomycin inhibits protein synthesis by binding to the 30S ribosomal subunit at the S12 protein, thereby inducing a misreading of the genetic code, inhibiting the initiation of translation of DNA which then results in the death of susceptible bacteria. .

### Product Properties

<b>Synonyms</b>	Streptomycin Sulfate
<b>CAS#</b>	3810-74-0
<b>Formula</b>	$(C_{21}H_{39}N_7O_{12})_2 \cdot 3H_2SO_4$
<b>Molecular Weight</b>	1457.38
<b>Appearance</b>	White to off-white powder
<b>Grade</b>	USP
<b>Potency (Anhydrous)</b>	650 - 850 mcg/mg
<b>Solubility</b>	Soluble in water: $\geq 100$ mg/mL



### Structure



### Shipping and Storage

The product is shipped with ice pack and can be stored at 2-8°C for 2 years.

### Cautions

1. The solution should not be autoclaved.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.