

Product Name: Streptomycin sulfate, Cell Culture Reagent
Catalog Number: J61299.18

CAS Number: 3810-74-0
IUPAC Name: bis(N"-[(1R,2R,3S,4R,5R,6S)-3-[(diaminomethylidene)amino]-4-[[[(2R,3R,4R,5S)-3-[[[(2S,3S,4S,5R,6S)-4,5-dihydroxy-6-(hydroxymethyl)-3-(methylamino)oxan-2-yl]oxy]-4-formyl-4-hydroxy-5-methyloxolan-2-yl]oxy]-2,5,6-trihydroxycyclohexyl]guanidine); tris(sulfuric acid)
Molecular Formula: C42H84N14O36S3
Molecular Weight: 1457.38
InChI Key: QTENRWWVYAAPBI-YCRXJPFRSA-N
SMILES: OS(O)(=O)=O.OS(O)(=O)=O.OS(O)(=O)=O.CN[C@H]1[C@H](O)[C@@H](O)[C@H](CO)O[C@H]1O[C@H]1[C@H](O[C@H]2[C@H](O)[C@@H](O)[C@H](N=C(N)N)[C@@H](O)[C@@H]2N=C(N)N)O[C@@H](C)[C@]1(O)C=O.CN[C@H]1[C@H](O)[C@@H](O)[C@H](CO)O[C@H]1O[C@H]1[C@H](O[C@H]2[C@H](O)[C@@H](O)[C@H](N=C(N)N)[C@@H](O)[C@@H]2N=C(N)N)O[C@@H](C)[C@]1(O)C=O
Synonym: bis(streptomycin sulfate); tris(sulfuric acid)

Product Specification

pH: 4.5 - 7.0, 20% w/v in water at 25°C
Comment: Colorimetric: ≥ 90.0%
Impurity content: Methanol (GC): ≤ 0.3%
Loss on Drying: ≤ 7.0%
Assay (unspecified): (Sulfate): 18.0 - 21.5%
Impurity content: Bacterial Endotoxins: ≤ 0.25 IU/mg
Assay (unspecified): (Potency, dried basis): ≥ 720 ?g/mg
Impurity content: Streptomycin B: ≤ 3.0%
Sulfated Ash: ≤ 1.0%

Date Of Print: 05/12/2025

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.