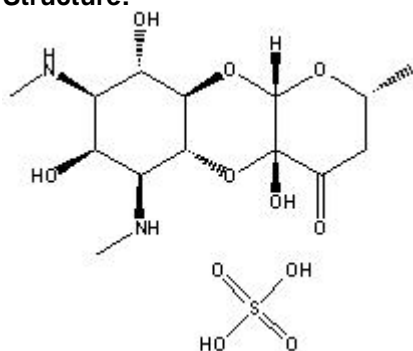


TECHNICAL INFORMATION

Catalog Number: 158993

Spectinomycin sulfate

Structure:



Molecular Formula: $C_{14}H_{24}N_2O_7 \cdot H_2SO_4$

Molecular Weight: 430.4

CAS # 21736-83-4

Synonym: U18409E

Physical Appearance: White powder

Description: Antibiotic which binds to the 30S subunit to cause misreading. Effective concentration is typically 100 mg/L. Stable at 37°C for approximately 3 days.

Solubility: Soluble in DMSO, ethanol and water; practically insoluble in pyridine, chloroform, ethyl acetate, cyclohexane, benzene, acetone, DMF, dioxane and acetonitrile. Store solution aliquoted at -20°C for up to 3 months.

Reference:

– *Merck Index, 12th Ed.*, No. 8890.