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Spectinomycin Sulfate Tetrahydrate

National Cancer Institute

Source

National Cancer Institute. *Spectinomycin Sulfate Tetrahydrate*. NCI Thesaurus. Code C90692.

The tetrahydrate sulfate salt form of spectinomycin, an aminocyclitol aminoglycoside antibiotic derived from *Streptomyces spectabilis* with bacteriostatic activity.

Spectinomycin binds to the bacterial 30S ribosomal subunit. As a result, this agent interferes with the initiation of protein synthesis and with proper protein elongation. This eventually leads to bacterial cell death.