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Spectinomycin

National Cancer Institute

Source

National Cancer Institute. *Spectinomycin*. NCI Thesaurus. Code C61951.

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.