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Paromomycin

National Cancer Institute

Source

National Cancer Institute. *Paromomycin*. NCI Thesaurus. Code C61878.

An aminoglycoside antibiotic derived from *Streptomyces rimosus* var. *paromomycinus*, with amebicidal and antibacterial activity. Paromomycin binds specifically to the RNA oligonucleotide at the A site of bacterial 30S ribosomes, thereby causing misreading and premature termination of translation, thereby leading to inhibition of protein synthesis followed by cell death.