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Paromomycin Sulfate

National Cancer Institute

Source

National Cancer Institute. *Paromomycin Sulfate*. NCI Thesaurus. Code C47652.

The sulfate salt form of paromomycin, a structural derivative of neomycin, an aminoglycoside antibiotic with amebicidal and bactericidal effects against predominantly aerobic gram-negative bacteria. Paromomycin binds specifically to the RNA oligonucleotide at the A site of bacterial 30S ribosomes, thereby causing misreading and premature termination of translation of mRNA and inhibition of protein synthesis followed by cell death.