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Aclacinomycin Antitumor Antibiotic

National Cancer Institute

Source

National Cancer Institute. *Aclacinomycin Antitumor Antibiotic*. NCI Thesaurus. Code C987.

An oligosaccharide anthracycline antibiotic isolated from strains of the bacterium *Streptomyces galilaeus* with potential antineoplastic activity. These agents display potent antitumor properties due to their ability to intercalate into DNA and interfere with the function of both the topoisomerase I and II enzymes, thereby inhibiting DNA replication and ultimately, interfering with RNA and protein synthesis.