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Puromycin Hydrochloride

National Cancer Institute

Source

National Cancer Institute. *Puromycin Hydrochloride*. NCI Thesaurus. Code C75148.

The hydrochloride salt form of puromycin, an aminoglycoside antibiotic isolated from the bacterium *Streptomyces alboniger*. Acting as an analog of the 3' terminal end of aminoacyl-tRNA, puromycin incorporates itself into a growing polypeptide chain and causes its premature termination, thereby inhibiting protein synthesis. This agent has antimicrobial, antitrypanosomal, and antineoplastic properties; it is used as an antibiotic in cell culture.