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Annamycin

National Cancer Institute

Source

National Cancer Institute. *Annamycin*. NCI Thesaurus. Code C2632.

A lipophilic, anthracycline antineoplastic antibiotic. Annamycin intercalates into DNA and inhibits topoisomerase II, thereby inhibiting DNA replication and repair as well as inhibiting RNA and protein synthesis. This agent appears to not be a substrate for the p-glycoprotein associated multidrug-resistance (MDR) transporter; therefore, overcoming the resistance pattern seen with other anthracycline compounds.