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Esorubicin

National Cancer Institute

Source

National Cancer Institute. *Esorubicin*. NCI Thesaurus. Code C972.

A synthetic derivative of the anthracycline antineoplastic antibiotic doxorubicin with potential antineoplastic activity. Esorubicin intercalates into DNA and inhibits topoisomerase II, thereby inhibiting DNA replication and ultimately, interfering with RNA and protein synthesis. This agent exhibits less cardiotoxicity than the parent antibiotic doxorubicin, but may cause more severe myelosuppression compared to other compounds within the anthracycline class.