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# Esorubicin Hydrochloride

National Cancer Institute

## Source

National Cancer Institute. *Esorubicin Hydrochloride*. NCI Thesaurus. Code C74943.

A hydrochloride salt of esorubicin, a 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.