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# Epirubicin

National Cancer Institute

## Source

National Cancer Institute. *Epirubicin*. NCI Thesaurus. Code C62028.

A 4'-epi-isomer of the anthracycline antineoplastic antibiotic doxorubicin. Epirubicin intercalates into DNA and inhibits topoisomerase II, thereby inhibiting DNA replication and ultimately, interfering with RNA and protein synthesis. This agent also produces toxic free-radical intermediates and interacts with cell membrane lipids causing lipid peroxidation.