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# Dexrazoxane

National Cancer Institute

## Source

National Cancer Institute. *Dexrazoxane*. NCI Thesaurus. Code C1333.

A bisdioxopiperazine with iron-chelating, chemoprotective, cardioprotective, and antineoplastic activities. After hydrolysis to an active form that is similar to ethylenediaminetetraacetic acid (EDTA), dexrazoxane chelates iron, limiting the formation of free radical-generating anthracycline-iron complexes, which may minimize anthracycline-iron complex-mediated oxidative damage to cardiac and soft tissues. This agent also inhibits the catalytic activity of topoisomerase II, which may result in tumor cell growth inhibition.