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# Troxacitabine

National Cancer Institute

## Source

National Cancer Institute. *Troxacitabine*. NCI Thesaurus. Code C1438.

A dioxolane derivative and a novel L-configuration deoxycytidine analogue with potent antineoplastic activity. When incorporated into growing chain during DNA replication, troxacitabine stops DNA polymerization due to its unnatural L-configuration, in contrast to the normal nucleotides with D-configuration. As a result, this agent terminates DNA synthesis upon incorporated into DNA molecules, and consequently interrupts tumor cell proliferation.