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Topoisomerase Inhibitor

National Cancer Institute

Source

National Cancer Institute. *Topoisomerase Inhibitor*. NCI Thesaurus. Code C1748.

Any substance that inhibits topoisomerase, an enzyme that cleaves the DNA backbone to relieve torsional stress in a DNA molecule generated during replication, transcription, and other structural transformations. Inhibition of topoisomerase causes DNA damage, inhibition of DNA replication, and apoptosis.