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# Tirapazamine

National Cancer Institute

## Source

National Cancer Institute. *Tirapazamine*. NCI Thesaurus. Code C1464.

A benzotriazine di-N-oxide with potential antineoplastic activity. Tirapazamine is selectively activated by multiple reductases to form free radicals in hypoxic cells, thereby inducing single-and double-strand breaks in DNA, base damage, and cell death. This agent also sensitizes hypoxic cells to ionizing radiation and inhibits the repair of radiation-induced DNA strand breaks via inhibition of topoisomerase II. (NCI04)