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Misonidazole

National Cancer Institute

Source

National Cancer Institute. *Misonidazole*. NCI Thesaurus. Code C657.

A nitroimidazole with radiosensitizing and antineoplastic properties. Exhibiting high electron affinity, misonidazole induces the formation of free radicals and depletes radioprotective thiols, thereby sensitizing hypoxic cells to the cytotoxic effects of ionizing radiation. This single-strand breaks in DNA induced by this agent result in the inhibition of DNA synthesis. (NCI04)