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Nimorazole

National Cancer Institute

Source

National Cancer Institute. *Nimorazole*. NCI Thesaurus. Code C76425.

A water soluble, 5-nitroimidazole compound with antibacterial and potential radiosensitizing activity. As an oxygen mimetic, nimorazole induces free radical formation and is able to sensitize hypoxic cells to the cytotoxic effects of ionizing radiation. This prevents DNA repair and thus enhances damage to DNA strands; eventually, leading to tumor cell death. Nimorazole is less active but also less toxic than the 2-nitroimidazole compounds, misonidazole and etanidazole.