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Porfiromycin

National Cancer Institute

Source

National Cancer Institute. *Porfiromycin*. NCI Thesaurus. Code C763.

An N-methyl derivative of the antineoplastic antibiotic mitomycin C isolated from the bacterium *Streptomyces ardens* and other *Streptomyces* bacterial species. Bio-reduced porfiromycin generates oxygen radicals and alkylates DNA, producing interstrand cross-links and single-strand breaks, thereby inhibiting DNA synthesis. Porfiromycin is preferentially toxic to hypoxic cells. (NCI04)