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Bleomycin Sulfate

National Cancer Institute

Source

National Cancer Institute. *Bleomycin Sulfate*. NCI Thesaurus. Code C312.

A mixture of the sulfate salts of basic glycopeptide antineoplastic antibiotics isolated from *Streptomyces verticillus*. Bleomycin sulfate forms complexes with iron that reduce molecular oxygen to superoxide and hydroxyl radicals which cause single- and double-stranded breaks in DNA; these reactive oxygen species also induce lipid peroxidation, carbohydrate oxidation, and alterations in prostaglandin synthesis and degradation.