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Bleomycin A2

National Cancer Institute

Source

National Cancer Institute. *Bleomycin A2*. NCI Thesaurus. Code C311.

The primary bleomycin species in bleomycin sulfate, a mixture of the sulfate salts of several basic glycopeptide antineoplastic antibiotics isolated from *Streptomyces verticillus*. Bleomycin A2 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. (NCI04)