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Boanmycin Hydrochloride

National Cancer Institute

Source

National Cancer Institute. *Boanmycin Hydrochloride*. NCI Thesaurus. Code C102878.

The hydrochloride salt form of boanmycin (aka bleomycin A6), a component of the antibiotic bleomycin produced by *Streptomyces* species, with potential antineoplastic activity. Upon administration, boanmycin forms complexes with iron that reduce molecular oxygen to superoxide and hydroxyl radicals. This causes single- and double-stranded DNA breaks which eventually leads to cell death. Compared to bleomycin, boanmycin appears to have a more favorable toxicity profile.