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Zinostatin

National Cancer Institute

Source

National Cancer Institute. *Zinostatin*. NCI Thesaurus. Code C682.

An enediyne antineoplastic antibiotic hybrid containing an aminoglycoside chromophore. Zinostatin is isolated from the bacterium *Streptomyces carzinostaticus*. The aminoglycoside component of zinostatin intercalates into DNA and the benzene diradical intermediate of the enediyne core binds to the minor groove of DNA, resulting in single- and double-strand breaks in DNA and apoptosis. (NCI04)