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# Esperamicin A1

National Cancer Institute

## Source

National Cancer Institute. *Esperamicin A1*. NCI Thesaurus. Code C1301.

An enediyne antineoplastic antibiotic hybrid containing an anthranilate moiety.

Esperamicin A1 is isolated from the bacterium *Actinomadura verrucosospora*. The anthranilate component of esperamicin A1 intercalates DNA and the benzene diradical intermediate of the enediyne core binds to the minor groove of DNA, resulting in single- and double-stranded breaks in DNA and apoptosis. (NCI04)