This product is a mixture of bleomycin sulfate salts; bleomycin A$_2$ is pictured. Bleomycin is an anticancer chemotherapeutic that binds DNA and induces DNA cleavage and strand breaks; it is highly toxic. Bleomycin A$_5$ is clinically used to treat lymphomas, squamous cell carcinomas, and testicular cancer. Additionally, this compound induces apoptosis, alters cell cycle regulation, inhibits proliferation, and decreases tumor size in cellular and animal models of hemangioma. Bleomycin A$_2$ inhibits viral reproduction of human papilloma virus. Bleomycin A$_2$ also cleaves DNA at 5'-GT sequences (including in telomeres) and induces tRNA cleavage. Bleomycin may also inhibit thioredoxin reductase.

References


Caution: This product is intended for laboratory and research use only. It is not for human or drug use.