**Product Information**

**Description**

This product is a mixture of bleomycin sulfate salts; bleomycin A₂ is pictured. Bleomycin is an anticancer chemotherapeutic that binds DNA and induces DNA cleavage and strand breaks; it is highly toxic. Bleomycin A5 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 A2 inhibits viral reproduction of human papilloma virus. Bleomycin A2 also cleaves DNA at 5'-GT sequences (including in telomeres) and induces tRNA cleavage. Bleomycin may also inhibit thioredoxin reductase.

**Chemical Name**

**Synonym** Blenoxane, Blexane

**Formula** C₅₅H₈₄N₁₇O₂₁S₃·H₂SO₄

**Formula Wt.** 1512.63

**Melting Point** 71°C

**Purity** ≥90%

**Solubility** Soluble in water (20 mg/mL), DMSO (100 mg/mL), methanol.

**Store Temp** 4°C

**Ship Temp** Ambient

**References**


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