

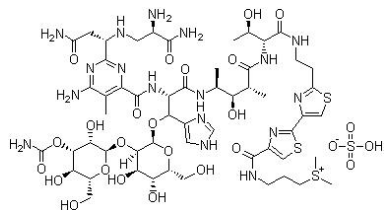
Bleomycin Sulfate

ALTERNATE NAMES: Blenoxane, Bleo, Blexane

CATALOG #: 2246-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{55}H_{84}N_{17}O_{21}S_3 \cdot HSO_4$

MOLECULAR WEIGHT: 1512.62

CAS NUMBER: 9041-93-4

APPEARANCE: White solid

SOLUBILITY: H_2O (20 mg/ml)

PURITY: $\geq 90\%$ by HPLC

BIOLOGICAL ACTIVITY: ≥ 1500 IU/mg

STORAGE: At -20 °C. Protect from light and moisture.

DESCRIPTION: An antitumor antibiotic isolated from *Streptomyces verticillus*. Radiomimetic DNA-cleaving agent that produces double and single DNA strand breaks through an oxygen-radical-dependent mechanism. It inhibits the intracellular DNA replication and is a DNA alkylating agent. It is an inducer and regulator of apoptosis in a variety of cell types and also inhibits tumor angiogenesis.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

Related Products:

Etoposide (**Cat. No. 1043-100, 25MG, 250 MG**)

Ready-to-use apoptosis inducer set (**Cat. No. K121-5**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans.**