

## Product Information

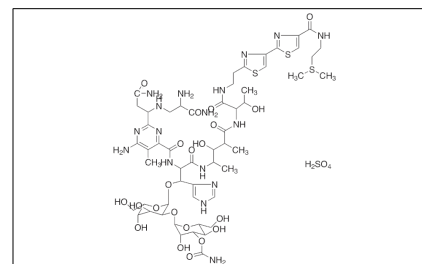
**Product ID** B4518  
**CAS No.** 9041-93-4  
**Chemical Name**

**Synonym** Blenoxane, Blexane

**Formula**  $C_{55}H_{84}N_{17}O_{21}S_3 \cdot H_2SO_4$   
**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

**Description** This product is a mixture of bleomycin sulfate salts; bleomycin A<sub>2</sub> 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.



## Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
B4518	5 mg	\$146.90
B4518	10 mg	\$202.20
B4518	25 mg	\$412.00
B4518	100 mg	\$1273.70

**References** Ramírez-Fort MK, Au SC, Javed SA, et al. Management of cutaneous human papillomavirus infection: pharmacotherapies. *Curr Probl Dermatol.* 2014;45:175-85. PMID: 24643186.

Li P, Li DF, Guo ZT, et al. Therapeutic mechanism of bleomycin A5 on infancy hemangioma: an experimental study. *Zhonghua Kou Qiang Yi Xue Za Zhi.* 2013 Jan;48(1):18-22. PMID: 23534516.

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Abraham AT, Lin JJ, Newton DL, et al. RNA cleavage and inhibition of protein synthesis by bleomycin. *Chem Biol.* 2003 Jan;10(1):45-52. PMID: 12573697.

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