Bleomycin sulfate

Antitumor antibiotic

Bleomycin consists in a complex of 11 glycopeptide anti-cancer antibiotics originally isolated from *Streptomyces verticillus*. The dominant components of the complex are bleomycin A2 and B2, which typically represent >90% of the total weight. Bleomycin has found clinical application in the treatment of a range of tumors. Bleomycin acts by intercalation of DNA and RNA. In the presence of oxygen and metal ions (e.g. copper and iron), Bleomycin forms a pseudo-enzyme that induces DNA cleavage.

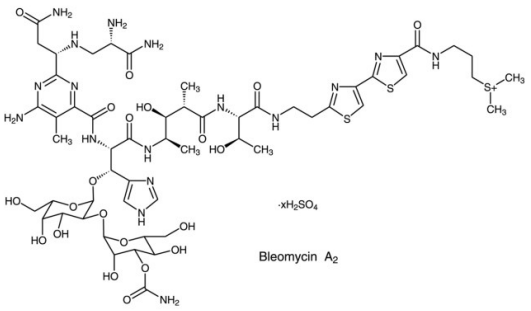
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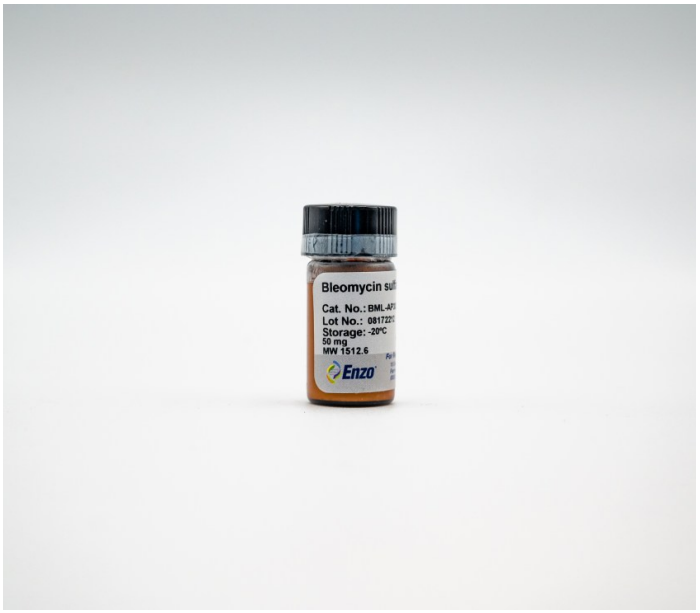
BML-AP302-0010	10mg
BML-AP302-0050	50mg

Manuals, SDS & CofA View Online »

- Antibiotic with anti-cancer and apoptotic properties
- Radiomimetic DNA-cleaving agent that produces double and single DNA strand breaks through an oxygen-radical-dependent mechanism
- Highly cited



Bleomycin A_2



Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Blenoxane
Appearance	White crystalline solid.
CAS	9041-93-4
Formula	$C_{55}H_{85}N_{17}O_{21}S_3$ (For A2)
MI	**14:** 1318
MW	1415.6 (For A2)
Purity	≥98% (HPLC)
RTECS	EC5991990
Solubility	Soluble in 100% methanol or water (20mg/ml).
Source	Isolated from *Streptomyces sp.*

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