

## Phleomycin

Cat. No.:	HY-126490
CAS No.:	11006-33-0
Target:	Bacterial; Antibiotic; DNA/RNA Synthesis
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)

# Phleomycin

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 100 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

Description	Phleomycin is an anticancer glycopeptide antibiotic found in <i>Streptomyces verticillus</i> , which cause DNA cleavage. Phleomycin binds and intercalates DNA to damage the integrity of the double helix, which is similar to Bleomycin (HY-17565A) <sup>[1]</sup> .
IC <sub>50</sub> & Target	Glycopeptide

### REFERENCES

[1]. Kamila Stokowa-Sołtys, et al. Phleomycin complex - Coordination mode and in vitro cleavage of DNA. *J Inorg Biochem.* 2019 Jun;195:71-82.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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