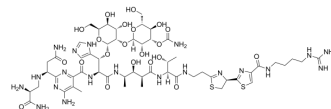


Phleomycin D1

Cat. No.:	HY-111428
CAS No.:	11031-11-1
Molecular Formula:	$C_{55}H_{86}N_{20}O_{21}S_2$
Molecular Weight:	1427.52
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Phleomycin D1 (PLM D1), a glycopeptide antibiotic, is a member of the Bleomycin/Phleomycin family. Phleomycin D1 causes cell death by binding and cleaving DNA ^{[1][2]} .
IC ₅₀ & Target	Glycopeptide

REFERENCES

- [1]. Ishizuka M, et, al. Studies on antitumor activity, antimicrobial activity and toxicity of phleomycin. J Antibiot (Tokyo). 1966 Nov;19(6):260-71.
- [2]. Huang CH, et, al. Bifunctional intercalation of antitumor antibiotics BBM-928A and echinomycin with deoxyribonucleic acid. Effects of intercalation on deoxyribonucleic acid degradative activity of bleomycin and phleomycin. Biochemistry. 1982 Jul 20;21(15):3704-10.

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

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