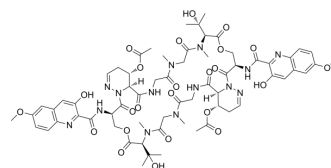


Luzopeptin A

Cat. No.:	HY-130050
CAS No.:	75580-37-9
Molecular Formula:	C ₆₄ H ₇₈ N ₁₄ O ₂₄
Molecular Weight:	1427.38
Target:	Antibiotic; HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Luzopeptin A (BBM-928 A) is an actinoleukin-like antitumor antibiotic. Luzopeptin A is a bifunctional DNA intercalator which can interact with isolated DNA molecules. Luzopeptin A induces an unwinding-rewinding process of the closed superhelical PM2 DNA. Luzopeptin A is active against HIV-1 and HIV-2 reverse transcriptase with IC ₅₀ s of 7 nM and 68 nM for HIV-1 RT and HIV-2 RT, respectively ^{[1][2]} .	
IC₅₀ & Target	HIV-1 RT 7 nM (IC ₅₀)	HIV-2 RT 68 nM (IC ₅₀)

REFERENCES

[1]. Konishi M, Ohkuma H, Sakai F, et al. Structures of BBM-928 A, B, and C. Novel antitumor antibiotics from *Actinomadura luzonensis*[J]. *Journal of the American Chemical Society*, 1981, 103(5): 1241-1243.

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

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