

Leucinostatin A

Cat. No.:	HY-P2450	
CAS No.:	76600-38-9	
Molecular Formula:	C ₆₂ H ₁₁₁ N ₁₁ O ₁₃	
Molecular Weight:	1218.61	P-{Nva}-L-{Aib}-LL-{Aib}-{Aib}-{Bal}
Sequence Shortening:	P-{Nva}-L-{Aib}-LL-{Aib}-{Aib}-{Bal}	
Target:	Fungal; Antibiotic	
Pathway:	Anti-infection	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

BIOLOGICAL ACTIVITY

Description

Leucinostatin A (Antibiotic P168) is a nonapeptide exerting a remarkable activity especially against *Candida albicans* and *Cryptococcus neoformans*. Leucinostatin A is a hydrophobic nonapeptide antibiotic. Leucinostatin A inhibits prostate cancer growth through reduction of insulin-like growth factor-I expression in prostate stromal cells. Antiprotozoal activities^[1]

REFERENCES

- [1]. Csermely P, et al. The nonapeptide leucinostatin A acts as a weak ionophore and as an immunosuppressant on T lymphocytes. *Biochim Biophys Acta*. 1994;1221(2):125-132.
- [2]. Ricci M, et al. Leucinostatin-A loaded nanospheres: characterization and in vivo toxicity and efficacy evaluation. *Int J Pharm*. 2004;275(1-2):61-72.
- [3]. Brand M, et al. Antiprotozoal Structure-Activity Relationships of Synthetic Leucinostatin Derivatives and Elucidation of their Mode of Action. *Angew Chem Int Ed Engl*. 2021;60(28):15613-15621.

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

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