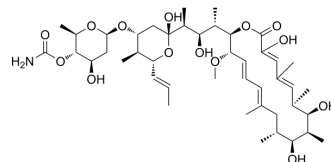


Concanamycin B

Cat. No.:	HY-125707
CAS No.:	81552-33-2
Molecular Formula:	C ₄₄ H ₇₁ NO ₁₄
Molecular Weight:	838.03
Target:	Proton Pump; Antibiotic
Pathway:	Membrane Transporter/Ion Channel; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Concanamycin B is a macrolide antibiotic, which can inhibit the cavitation type H ⁺ -ATPases, and the IC ₅₀ value is 5 nM ^[1] .
In Vitro	Concanamycin B (5-25 nM, 1h) inhibits the accumulation of lipid droplets and cholesterol esters in macrophages J774 induced by oxidized low-density lipoprotein ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Yilla M, et al. Involvement of the vacuolar H⁽⁺⁾-ATPases in the secretory pathway of HepG2 cells. J Biol Chem. 1993 Sep 5;268(25):19092-100. PMID: 8395529.
- [2]. Woo JT, et al. Inhibition of the acidification of endosomes and lysosomes by the antibiotic concanamycin B in macrophage J774. Eur J Biochem. 1992 Jul 1;207(1):383-9.

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

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