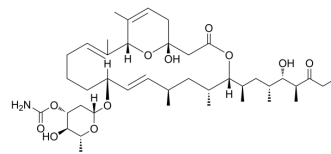


Venturicidin A

Cat. No.:	HY-N125722
CAS No.:	33538-71-5
Molecular Formula:	C ₄₁ H ₆₇ NO ₁₁
Molecular Weight:	749.97
Target:	ATP Synthase; 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	Venturicidin A (Aabomycin A1), from actinomycetes, is a membrane-active natural product inhibitor of ATP synthase. Venturicidin A potentiates the aminoglycoside antibiotic gentamicin against multidrug-resistant clinical isolates of Staphylococcus, Enterococcus, and Pseudomonas aeruginosa. Venturicidin A shows noticeable toxicity toward human embryonic-kidney (HEK) cells with an IC ₅₀ of 31 µg/mL.
IC ₅₀ & Target	Aminoglycoside

REFERENCES

[1]. Venkateswarlu Yarlagadda, et al. Venturicidin A, A Membrane-active Natural Product Inhibitor of ATP synthase Potentiates Aminoglycoside Antibiotics. Sci Rep. 2020 May 18;10(1):8134.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA