



LKT Laboratories, Inc.

Enramycin A

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Product Information

Product ID E5568

CAS No. 34438-27-2

Chemical Name

Synonym Enduracidin

Formula $C_{107}H_{138}Cl_2N_{26}O_{31}$

Formula Wt. 2355.30

Melting Point

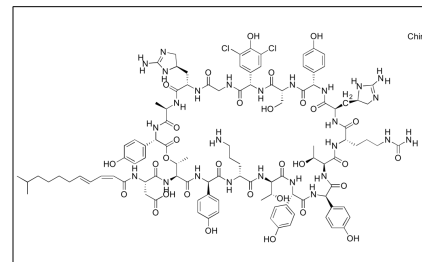
Purity $\geq 95\%$

Solubility Soluble in 0.1% formic acid, DMF.

Store Temp 4°C

Ship Temp Ambient

Description Enramycin is a polypeptide antibiotic initially produced by *Streptomyces fungicides*; it displays antibacterial activity, inhibiting cell wall peptidoglycan formation. Enramycin is effective against most gram-positive bacteria. This compound is typically used as a feed additive for poultry, swine, and other livestock, preventing bacterial infection, accelerating growth rates, and relieving stress reactions.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
E5568	1 mg	\$175.00
E5568	5 mg	\$385.00
E5568	25 mg	\$1050.00

References Pedroso AA, Menten JF, Lambais MR, et al. Intestinal bacterial community and growth performance of chickens fed diets containing antibiotics. *Poult Sci.* 2006 Apr;85(4):747-52. PMID: 16615359.

Ohya T, Sato S. Effects of dietary antibiotics on intestinal microflora in broiler chickens. *Natl Inst Anim Health Q (Tokyo).* 1983 Summer;23(2):49-60. PMID: 6680771.

Kariyama R. Increase of cardiolipin content in *Staphylococcus aureus* by the use of antibiotics affecting the cell wall. *J Antibiot (Tokyo).* 1982 Dec;35(12):1700-4. PMID: 7166534.

Kawakami M, Nagai Y, Fujii T, et al. Anti-microbial activities of enduracidin (enramycin) in vitro and in vivo. *J Antibiot (Tokyo).* 1971 Sep;24(9):583-6. PMID: 5132246.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.