



LKT Laboratories, Inc.

## Enramycin B

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### Product Information

Product ID E5569

CAS No. 34304-21-7

**Chemical Name**

Synonym Enduracidin

Formula  $C_{108}H_{140}Cl_2N_{26}O_{31}$

Formula Wt. 2369.32

**Melting Point**

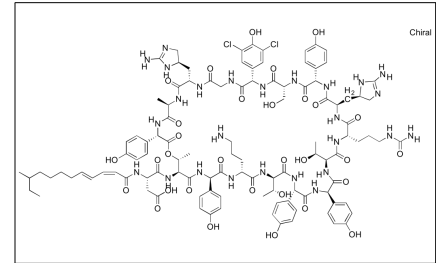
Purity  $\geq 83\%$

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.



**Bulk quantities available upon request**

Product ID	Size
E5569	1 mg
E5569	5 mg
E5569	25 mg

**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.