



LKT Laboratories, Inc.

## Erythromycin Resistance Peptide MRLFV

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### Product Information

Product ID E6993

CAS No. 193763-81-4

Chemical Name

Synonym E-peptide

Formula  $C_{31}H_{52}N_8O_6S$

Formula Wt. 664.86

Melting Point

Purity  $\geq 95\%$

Solubility Soluble in water.

Store Temp  $-20^{\circ}C$

Ship Temp Ambient

**Description** Erythromycin resistance peptide (E-peptide) confers resistance against macrolide antibiotics. E-peptide binds bacterial ribosomes, preventing antibiotic binding and allowing protein synthesis. E-peptide has the sequence MRLFV.

Met-Arg-Leu-Phe-Val

### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
E6993	1 mg	\$66.20
E6993	2 mg	\$110.10
E6993	5 mg	\$195.30

**References** Verdier L, Gharbi-Benarous J, Bertho G, et al. Antibiotic resistance peptides: interaction of peptides conferring macrolide and ketolide resistance with *Staphylococcus aureus* ribosomes: conformation of bound peptides as determined by transferred NOE experiments. *Biochemistry*. 2002 Apr 2;41(13):4218-29. PMID: 11914067.

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