



LKT Laboratories, Inc.

Erythromycin Resistance Peptide MRLFV

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Product Information

Product ID E6993

CAS No.

Chemical Name

Synonym E-peptide

Formula C₃₁H₅₂N₈O₆S

Formula Wt. 664.86

Melting Point

Purity ≥95%

Solubility Soluble in water.

Met-Arg-Leu-Phe-Val

Product ID	Size
E6993	1 mg
E6993	2 mg
E6993	5 mg

Store Temp -20° 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.

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.