



Enoxacin [KLH] (DAG113S)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	N/A
Conjugate	KLH
Applications	ELISA, LF
Format	Liquid
Concentration	Please refer to the vial label for the specific concentration.
Size	1 mg
Buffer	Supplied in PBS
Preservative	None
Storage	Short Term: 2-8°C. Long Term: -20°C. Avoid multiple freeze-thaw cycles.

BACKGROUND

Introduction

Enoxacin is a fluoroquinolone that prevents bacterial growth by interfering with DNA replication, inhibiting bacterial DNA gyrase (IC₅₀ = 126 µg/ml) and topoisomerase IV (IC₅₀ = 26.5 µg/ml). It demonstrates broad-spectrum antibacterial activity against many Gram-positive and Gram-negative bacteria. Its ability to bind to TAR RNA-binding protein 2, a microRNA biosynthesis protein, has been used to enhance the production of microRNAs with tumor suppressor functions to generate tumor-specific growth inhibitory effects in cancer models.

Keywords Enoxacin