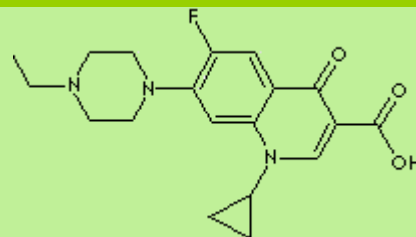


# ENROFLOXACIN

## PRODUCT IDENTIFICATION

CAS NO. 93106-60-6  
EINECS NO.  
FORMULA  $C_{19}H_{22}FN_3O_3$   
MOL WT. 359.40  
H.S. CODE  
TOXICITY



SYNONYMS Baytril;  
1-Cyclo-propyl-7-(4-ethyl-1-piperazinyl)-6- fluoro-1,4-dihydro-4-oxo-3-quinolone carboxylic acid;  
DERIVATION

CLASSIFICATION [FLUOROQUINOLONES](#) /

## PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE white to pale yellow crystalline powder  
MELTING POINT 219 - 233 C  
BOILING POINT  
SPECIFIC GRAVITY  
SOLUBILITY IN WATER Slightly soluble  
pH  
VAPOR DENSITY  
AUTOIGNITION  
NFPA RATINGS  
REFRACTIVE INDEX  
FLASH POINT  
STABILITY Stable under ordinary conditions

## APPLICATIONS

Enrofloxacin is a veterinary quinolone antibiotic with actions and uses similar to ciprofloxacin, a counterpart for human use; ethyl group is attached to the piperazine ring. Quinolone antibiotic acts by inhibiting the bacterial enzymes DNA gyrase. It has a broad-spectrum antibacterial activity against for both gram negative and positive bacteria and has post-antibiotic effect to enhance epidermal repair by reducing inflammation. It is a white to pale yellow crystalline powder; slightly soluble in water; melting point 219 - 233 C. Chemical designation is 1-cyclo-propyl-7-(4-ethyl-1- piperazinyl)- 6- fluoro-1,4- dihydro-4- oxo-3-quinolone carboxylic acid.

## SALES SPECIFICATION

APPEARANCE white to pale yellow crystalline powder  
ASSAY 98.0 - 102.0%  
MELTING POINT 219 - 233 C  
HEAVY METALS 20ppm max  
LOSS ON DRYING 1.0% max  
FLUORIDE 4.5% max

## TRANSPORTATION

PACKING 25kgs in drum  
HAZARD CLASS  
UN NO.

## OTHER INFORMATION

European Hazard Symbols: , Risk Phrases: , Safety Phrases: 22-24/25

