Product Name: Sarafloxacin Hydrochloride

Product Number: S003

CAS Number: 91296-87-6

Molecular Formula: $C_{20}H_{17}F_{2}N_{3}O_{3} \cdot HCl \cdot 3H_{2}O$

Molecular Weight: 475.87

Form: Powder

Source: Synthetic

Storage Conditions: 2-8°C

Description: Sarafloxacin HCl is a water soluble fluoroquinolone antibiotic.

Mechanism of Action: Fluoroquinolone antibiotics target bacterial DNA gyrase, an enzyme which reduces DNA strain during replication. Because DNA gyrase is required during DNA replication, subsequent DNA synthesis and ultimately cell division is inhibited.

Spectrum: Sarafloxacin HCl is a broad spectrum antibiotic targeting a wide range of gram positive and gram negative bacteria.