

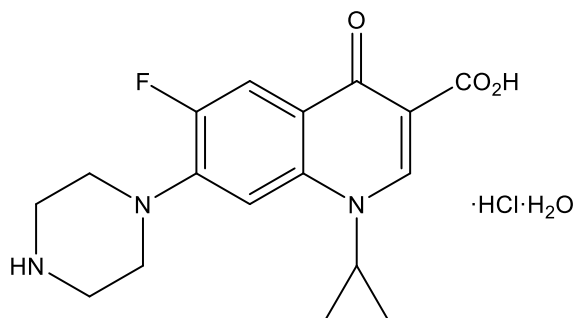
**Catalog # 10-3917**

**Ciprofloxacin hydrochloride**

CAS# 86393-32-0

1-Cyclopropyl-6-fluoro-4-oxo-7-piperazin-1-ylquinolin-3-carboxylic acid hydrochloride hydrate

Lot # FBS2138



Ciprofloxacin is a clinically useful fluoroquinolone antibiotic. It inhibits bacterial DNA topoisomerase and gyrase with particular effectiveness against gram-negative bacilli bacteria.<sup>1,2</sup>

- 1) Campoli-Richards *et al.* (1988), *Ciprofloxacin. A review of its antibacterial activity, pharmacokinetic properties and therapeutic uses*; *Drugs* **35** 373
- 2) Davis *et al.* (1996), *Ciprofloxacin. An updated review of its pharmacology, therapeutic efficacy and tolerability*; *Drugs* **51** 1019

**PHYSICAL DATA**

Molecular Weight:	385.83
Molecular Formula:	C <sub>17</sub> H <sub>18</sub> FN <sub>3</sub> O <sub>3</sub> ·HCl·H <sub>2</sub> O
Purity:	>98% HPLC
	NMR: (Conforms)
Solubility:	Soluble in water (30 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Store solutions at -20°C for up to 2 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**