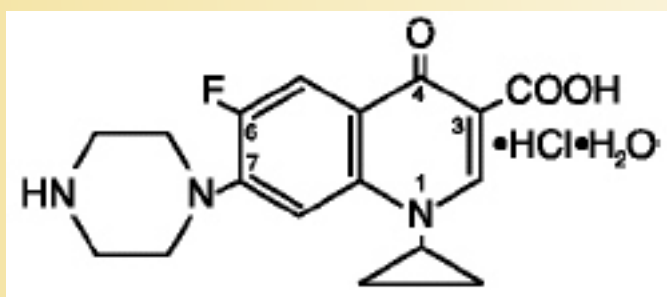


Ciprofloxacin Hcl (Cas No 86393-32-0)

Taj Pharmaceuticals.Ltd
Ciprofloxacin Hcl
Cas No:86393-32-0

Ciprofloxacin HCl
CAS NO. 86393-32-0

Chemical Formulas



Ciprofloxacin is 1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic acid. Its empirical formula is C₁₇H₁₈FN₃O₃ and its molecular weight is 331.4. It is a faintly yellowish to light yellow crystalline substance and its chemical structure is as follows:

Ciprofloxacin Structural Formula Illustration

CIPRO film-coated tablets are available in 250 mg, 500 mg and 750 mg (ciprofloxacin equivalent) strengths. Ciprofloxacin tablets are white to slightly yellowish. The inactive ingredients are cornstarch, microcrystalline cellulose, silicon dioxide, crospovidone, magnesium stearate, hypromellose, titanium dioxide, and polyethylene glycol.

Ciprofloxacin Oral Suspension is available in 5% (5 g ciprofloxacin in 100 mL) and 10% (10 g ciprofloxacin in 100 mL) strengths. Ciprofloxacin Oral Suspension is a white to slightly yellowish suspension with strawberry flavor which may contain yellow-orange droplets. It is composed of ciprofloxacin microcapsules and diluent which are mixed prior to dispensing (See Instructions for Use/Handling). The components of the suspension have the following compositions:

Cipro belongs to a class of potent antibiotics called quinolones. These drugs have become quite popular in recent years because they can help cure a wide variety of infections.

Side effects are uncommon and bacteria appear slower to develop resistance to such medications.

Cipro is especially useful against hard-to-treat infections that affect the lungs, urinary tract, skin, bones and joints.

This antibiotic also works against traveler's diarrhea and other bugs that invade the digestive tract.

To measure the concentration of ciprofloxacin and its desethylenemetabolite in plasma and cutaneous microdialysates and to compare ciprofloxacin penetration into cutaneous microdialysates against theoretically predicted penetration in a peripheral compartment.

Ciprofloxacin hydrochloride, USP, a fluoroquinolone, is the monohydrochloride monohydrate salt of 1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic acid. It is a faintly yellowish to light yellow crystalline substance with a molecular weight of 385.8.