

Taj Pharmaceuticals.Ltd

**Ciprofloxacin Base**

CAS 85721-33-1

## Ciprofloxacin Base

Name: Ciprofloxacin Base (Structural formula:) C<sub>17</sub>H<sub>18</sub>FN<sub>3</sub>O<sub>3</sub>.HCl

(Molecular weight:) 367.81

CAS NO.: 86393-32-0

Appearance: White or white-off crystalline powder

Use: It is a broad-spectrum anti-bacterial

Cipro is an antibiotic in a group of drugs called fluoroquinolones. It fights bacteria in the body. It works by stopping the production of essential proteins needed by the bacteria to survive.

Cipro is used to treat different types of bacterial infections. It may also be used to prevent or slow anthrax after exposure.

Cipro may also be used for other purposes not listed here.

Cipro may cause swelling or tearing of a tendon (the fiber that connects bones to muscles in the body), especially in the Achilles' tendon of the heel. These effects may be more likely to occur if you are over 60, if you take an oral steroid medication, or if you have had a kidney, heart, or lung transplant. Stop taking Cipro and call your doctor at once if you have sudden pain, swelling, tenderness, stiffness, or movement problems in any of your joints. Rest the joint until you receive medical care or instructions. Do not share this medication with another person (especially a child), even if they have the same symptoms you have.

Ciprofloxacin is 1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic acid. Its empirical formula is C<sub>17</sub>H<sub>18</sub>FN<sub>3</sub>O<sub>3</sub> and its molecular weight is 331.4. It is a faintly yellowish to light yellow crystalline substance and its chemical structure.

