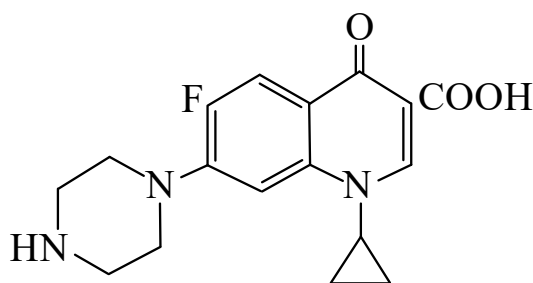




>>>**Entry Name:** Ciprofloxacin, BAN, INN, USAN

Synonym(s): 1-Cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic acid, 9Cl. Baycip. Belmacina. Catex. Ceprimax. Cetraxal. Ciflox. Cilox. Ciloxan. Cipro. Ciprobay. Ciprok. Ciproxin. Ciproxine. Cunesin. Estecina. Flociprin. Rigoran. Septocipro. Uniflox. Velmonit. Bay q 3939. Many other names



CAS Registry Number: 85721-33-1

Related CAS Registry Numbers(s): 86393-32-0 86483-48-9 97867-33-9

Molecular Formula: C₁₇H₁₈FN₃O₃

Molecular Weight: 331.346

Accurate Mass: 331.13322

Percentage Composition: C 61.62%; H 5.48%; F 5.73%; N 12.68%; O 14.49%

Biological Use/Importance: Broad spectrum antibacterial agent (used in treatment of Legionnaire's disease). Provides postexposure protection against exp. inhalation anthrax (*Bacillus anthracis*)

Development Status: Marketed drug. Launched 1986. Worldwide 22nd best selling prescription drug (\$1.65 bn) (Bayer) (2000, Pharma Business)

Melting Point: Mp 255-257° (dec.)

Calculated Log P Data: Log P -1.74 (calc)

Hazard & Toxicity: Causes arthropathy in weight bearing joints of immature animals

Rare Chemicals Library: S1029-5

>>>**Derivative:** Hydrochloride

Synonym(s): Ciprofloxacin hydrochloride, JAN, USAN. Bay o 9867

CAS Registry Number: 93107-08-5

Melting Point: Mp 308-310° (dec.)

Sigma: C3551

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