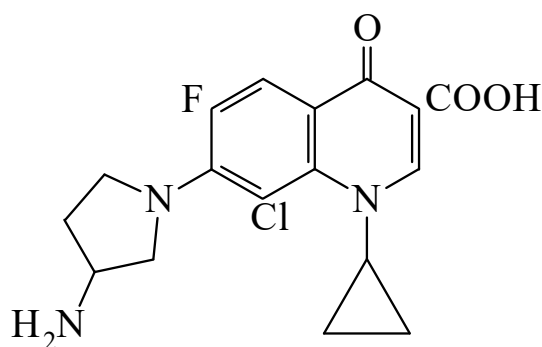




>>Entry Name: Clinafloxacin, INN

Synonym(s): 7-(3-Amino-1-pyrrolidinyl)-8-chloro-1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid, 9Cl. CI-960. PD 127391



CAS Registry Number: 105956-97-6

Related CAS Registry Numbers(s): 122842-92-6 133121-46-7 133121-47-8 133298-68-7 133298-72-3 133298-76-7

Molecular Formula: C₁₇H₁₇ClFN₃O₃

Molecular Weight: 365.791

Accurate Mass: 365.094247

Percentage Composition: C 55.82%; H 4.68%; Cl 9.69%; F 5.19%; N 11.49%; O 13.12%

Use/Importance: Antibacterial agent

Calculated Log P Data: Log P -1.68 (calc)

>>Variant: (±)-form

Molecular Formula: C₁₇H₁₇ClFN₃O₃

Molecular Weight: 365.791

Accurate Mass: 365.094247

Percentage Composition: C 55.82%; H 4.68%; Cl 9.69%; F 5.19%; N 11.49%; O 13.12%

>>Derivative: Hydrochloride

Synonym(s): Clinafloxacin hydrochloride, USAN

CAS Registry Number: 105956-99-8

Melting Point: Mp 245-247°

References:

- Eur. Pat.*, 1986, *Kyorin*, 195 316; *CA*, **106**, 50068f, (*synth, activity*)
Wise, R. *et al.*, *Antimicrob. Agents Chemother.*, 1988, **32**, 1251, (*activity*)
Sanchez, J.P. *et al.*, *J. Med. Chem.*, 1988, **31**, 983, (*synth, pmr, pharmacol*)
Eur. Pat., 1990, *Bayer A-G*, 391 169; *CA*, **114**, 185466v, (*synth, resoln, activity*)
Anderson, R. *et al.*, *Chemotherapy (Basel)*, 1993, **39**, 424, (*activity*)
Ford, A.S. *et al.*, *J. Antimicrob. Chemother.*, 1993, **31**, 523, (*activity*)
Barry, A.L. *et al.*, *J. Antimicrob. Chemother.*, 1993, **31**, 893, (*activity*)
Forstall, G.J. *et al.*, *Antimicrob. Agents Chemother.*, 1994, **38**, 1868, (*activity*)
Zabinski, R.A. *et al.*, *Antimicrob. Agents Chemother.*, 1995, **39**, 507, (*activity*)