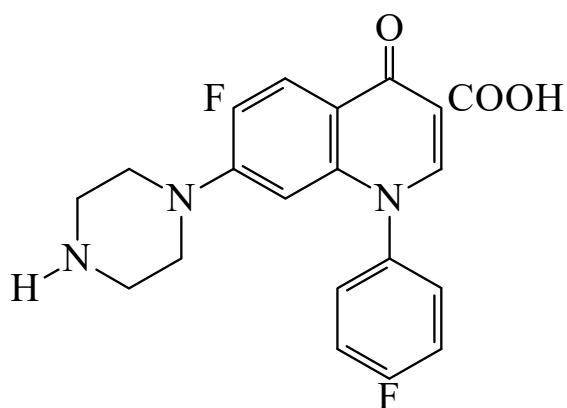




>>Entry Name: Sarafloxacin, BAN, INN

Synonym(s): 6-Fluoro-1-(4-fluorophenyl)-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic acid, 9Cl. Saraflox. A 57135



CAS Registry Number: 98105-99-8

Related CAS Registry Numbers(s): 102856-02-0

Molecular Formula: C₂₀H₁₇F₂N₃O₃

Molecular Weight: 385.369

Accurate Mass: 385.123798

Percentage Composition: C 62.33%; H 4.45%; F 9.86%; N 10.90%; O 12.46%

Source/Synthesis: Metab. of Difloxacin [BQZ13-R](#)

Use/Importance: DNA gyrase inhibitor. Antibacterial agent

Calculated Log P Data: Log P -0.06 (calc)

>>Derivative: Hydrochloride

Synonym(s): Sarafloxacin hydrochloride, USAN. A 56620

CAS Registry Number: 91296-87-6

Physical Description: Solid + xH₂O

Melting Point: Mp 275° (hydrate)

References:

- Chu, D.T. *et al.*, *J. Med. Chem.*, 1985, **28**, 1558, (*synth*)
Fernandes, P.B. *et al.*, *Antimicrob. Agents Chemother.*, 1986, **29**, 201, (*activity*)
Granneman, G.R. *et al.*, *J. Chromatogr.*, 1987, **413**, 199, (*hplc*)
Fernandes, C.J. *et al.*, *Chemotherapy (Basel)*, 1988, **34**, 216, (*activity*)
Bouzard, D. *et al.*, *J. Med. Chem.*, 1989, **32**, 537, (*activity*)
Xiao, W. *et al.*, *J. Pharm. Sci.*, 1989, **78**, 585, (*synth, pharmacol*)
Bauer, J.F. *et al.*, *Pharm. Res.*, 1990, **7**, 1177, (*hplc*)