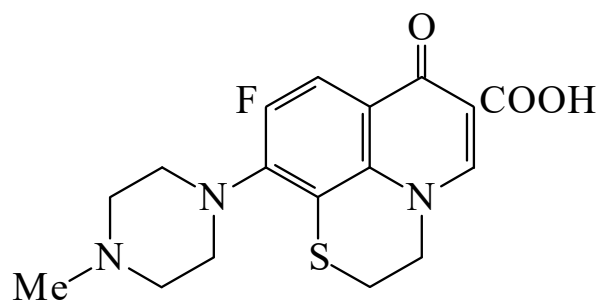




>>Entry Name: **Rufloxacin**, BAN, INN

Synonym(s): 9-Fluoro-2,3-dihydro-10-(4-methyl-1-piperazinyl)-7-oxo-7*H*-pyrido[1,2,3-*de*]-1,4-benzothiazine-6-carboxylic acid, 9Cl. Monos. Qari. MF 934



CAS Registry Number: 101363-10-4

Molecular Formula: C₁₇H₁₈FN₃O₃S

Molecular Weight: 363.412

Accurate Mass: 363.10529

Percentage Composition: C 56.19%; H 4.99%; F 5.23%; N 11.56%; O 13.21%; S 8.82%

Use/Importance: Antibacterial agent. Used for treatment of urinary and resp. tract infections

Development Status: Launched 1992 (Italy)

Calculated Log P Data: Log P –1.01 (uncertain value) (calc)

>>**Derivative:** Hydrochloride

CAS Registry Number: 106017-08-7

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 322-324°

References:

Cecchetti, V. *et al.*, *J. Med. Chem.*, 1987, **30**, 465, (*synth, pharmacol*)

Boerema, J.B.J. *et al.*, *J. Antimicrob. Chemother.*, 1991, **28**, 547, (*rev*)

Cecchetti, V. *et al.*, *Synth. Commun.*, 1991, **21**, 2301, (*synth*)