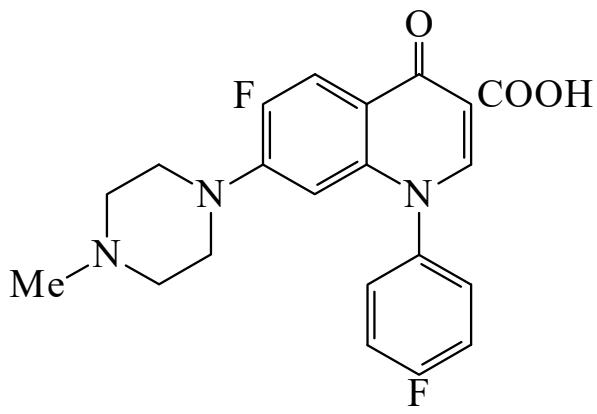
>>**Entry Name: Difloxacin,** INN
Synonym(s): 1-(4-Fluorophenyl)-6-fluoro-7-(4-methyl-1-piperazinyl)-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid



CAS Registry Number: 98106-17-3
Related CAS Registry Numbers(s): 102856-03-1

Molecular Formula: $C_{21}H_{19}F_2N_3O_3$
Molecular Weight: 399.396
Accurate Mass: 399.139448
Percentage Composition: C 63.15%; H 4.79%; F 9.51%; N 10.52%; O 12.02%
Use/Importance: Antibacterial agent. DNA gyrase inhibitor
Physical Description: Cryst.
Melting Point: Mp 282-284°
Calculated Log P Data: Log P 0.8 (calc)
Hazard & Toxicity: Prod. exp. articular cartilage lesions

>>**Derivative:** Hydrochloride
Synonym(s): Difloxacin hydrochloride, USAN**.** Abbott 56619

CAS Registry Number: 91296-86-5
Physical Description: Cryst. (H_2O)
Melting Point: Mp 275 dec.°

References:

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