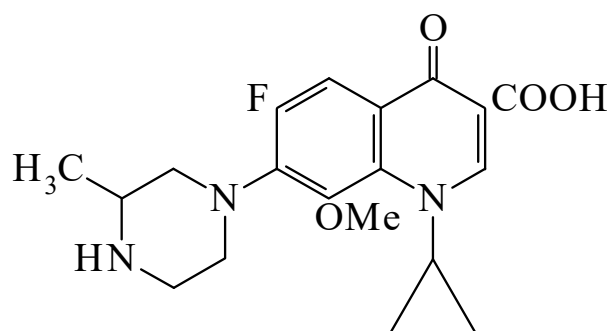




>>Entry Name: **Gatifloxacin**, INN, USAN

Synonym(s): 1-Cyclopropyl-6-fluoro-1,4-dihydro-8-methoxy-7-(3-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid, 9Cl. Tequin. AM 1155



CAS Registry Number: 112811-59-3

Related CAS Registry Numbers(s): 180200-66-2

Molecular Formula: C₁₉H₂₂FN₃O₄

Molecular Weight: 375.399

Accurate Mass: 375.159435

Percentage Composition: C 60.79%; H 5.91%; F 5.06%; N 11.19%; O 17.05%

Biological Use/Importance: Antibacterial agent

Development Status: Approved by FDA and launched 1999 (US)

>>Variant: (±)-form

CAS Registry Number: 160738-57-8

Molecular Formula: C₁₉H₂₂FN₃O₄

Molecular Weight: 375.399

Accurate Mass: 375.159435

Percentage Composition: C 60.79%; H 5.91%; F 5.06%; N 11.19%; O 17.05%

>>Derivative: Hydrochloride

CAS Registry Number: 121577-32-0

Melting Point: Mp 262-264 dec.°

References:

Eur. Pat., 1987, *Sankyo*, 241 206; *CA*, **110**, 135095, (*synth, activity*)

Hosaka, M. *et al.*, *Antimicrob. Agents Chemother.*, 1992, **36**, 2108; 1996, **40**, 2756, (*activity, pharmacol*)

Castaner, J. *et al.*, *Drugs of the Future*, 1993, **18**, 203

Wakabayashi, E. *et al.*, *Antimicrob. Agents Chemother.*, 1994, **38**, 594, (*activity*)

Perry, C.M. *et al.*, *Drugs*, 1999, **58**, 683, (*rev*)

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