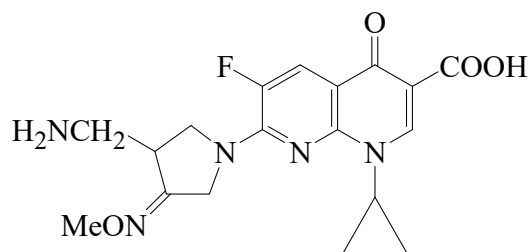




>>Entry Name: Gemifloxacin, INN

Synonym(s): 7-[3-(Aminomethyl)-4-(methoxyimino)-1-pyrrolidinyl]-1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid, 9Cl. LB 20304. SB 265805



CAS Registry Number: 175463-14-6

Molecular Formula: C₁₈H₂₀FN₅O₄

Molecular Weight: 389.386

Accurate Mass: 389.149933

Percentage Composition: C 55.52%; H 5.18%; F 4.88%; N 17.99%; O 16.44%

Biological Use/Importance: Antibacterial agent

Physical Description: Amorph. solid (CHCl₃/EtOH)

Development Status: Phase II clinical trials (1997)

Melting Point: Mp 235-237°

>>Derivative: Methanesulfonate

Synonym(s): Gemifloxacin mesylate, USAN

CAS Registry Number: 204519-65-3

References:

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Oh, J.-I. *et al.*, *Antimicrob. Agents Chemother.*, 1996, **40**, 1564-1568, (*pharmacol*)
Cormican, M.G. *et al.*, *Antimicrob. Agents Chemother.*, 1997, **41**, 204-211, (*pharmacol*)
Marco, F. *et al.*, *J. Antimicrob. Chemother.*, 1997, **40**, 605-607, (*activity*)
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