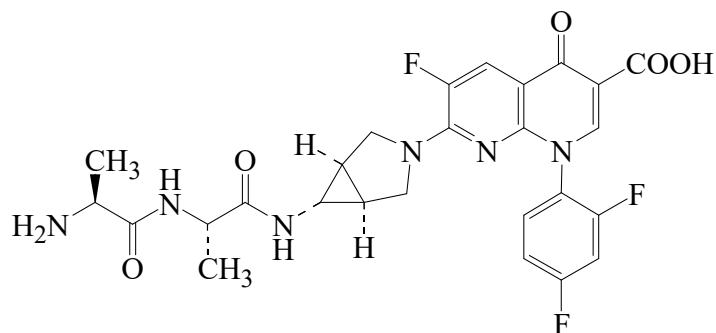




>>Entry Name: **Alatrofloxacin**, INN

Synonym(s): Alanyl-*N*-[3-[6-carboxy-8-(2,4-difluorophenyl)-3-fluoro-5,8-dihydro-5-oxo-1,8-naphthyridin-2-yl]-3-azabicyclo[3.1.0]hex-6-yl]alaninamide, 9Cl



CAS Registry Number: 146961-76-4

Extra CAS Registry Numbers(s): 157182-32-6

Molecular Formula: C₂₆H₂₅F₃N₆O₅

Molecular Weight: 558.516

Accurate Mass: 558.183853

Percentage Composition: C 55.91%; H 4.51%; F 10.20%; N 15.05%; O 14.32%

Biological Use/Importance: Antibacterial agent

Development Status: Approved by FDA (1997)

Other Data: Prodrug of Trovafloxacin [NHZ03-F](#)

Other: Manuf. by Pfizer

>>Derivative: Methanesulfonate

Synonym(s): Alatrofloxacin mesylate, USAN. CP 116517-27

CAS Registry Number: 146961-77-5

Extra CAS Registry Numbers(s): 157605-25-9

Melting Point: Mp 205-206°

Optical Rotation: [α]_D²⁵ -39.7 (c, 0.47 in MeOH)

References:

- Nau, R. *et al.*, *Antimicrob. Agents Chemother.*, 1995, **39**, 593-597, (*pharmacol*)
Edelstein, P.H. *et al.*, *Antimicrob. Agents Chemother.*, 1996, **40**, 314-319, (*pharmacol*)
Pat. Coop. Treaty (WIPO), 1997, *Pfizer*, 97 00 268; *CA*, **126**, 157823p, (*synth*)