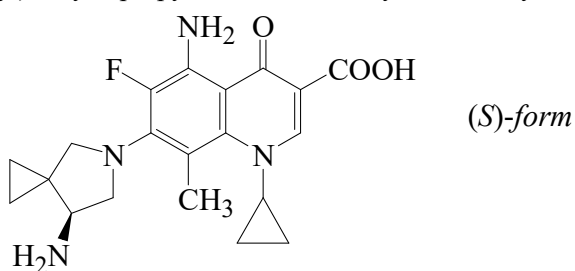




>>Entry Name: Olamufloxacin, INN

Synonym(s): 5-Amino-7-(7-amino-5-azaspiro[2.4]hept-5-yl)-1-cyclopropyl-6-fluoro-1,4-dihydro-8-methyl-4-oxo-3-quinolinecarboxylic acid, 9Cl. HSR 903



CAS Registry Number: 167888-11-1

Related CAS Registry Numbers(s): 167888-16-6 167888-19-9

Molecular Formula: C₂₀H₂₃FN₄O₃

Molecular Weight: 386.425

Accurate Mass: 386.175419

Percentage Composition: C 62.16%; H 6.00%; F 4.92%; N 14.50%; O 12.42%

Biological Use/Importance: Antibacterial agent

>>Variant: (R)-form

CAS Registry Number: 181417-48-1

Molecular Formula: C₂₀H₂₃FN₄O₃

Molecular Weight: 386.425

Accurate Mass: 386.175419

Percentage Composition: C 62.16%; H 6.00%; F 4.92%; N 14.50%; O 12.42%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 215-217°

Optical Rotation: [α]_D +42.7 (c, 0.1 in DMF)

>>Variant: (S)-form

CAS Registry Number: 167887-97-0

Molecular Formula: C₂₀H₂₃FN₄O₃

Molecular Weight: 386.425

Accurate Mass: 386.175419

Percentage Composition: C 62.16%; H 6.00%; F 4.92%; N 14.50%; O 12.42%

Other Data: Pharmacol. active isomer

>>Derivative: Methanesulfonate

CAS Registry Number: 167888-07-5

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 263-265° (dec.)

Optical Rotation: [α]_D -93.6 (c, 0.1 in MeOH)

References:

Eur. Pat., 1995, *Hokuriku*, 641 793; *CA*, **123**, 198642k, (*synth, pharmacol*)

Yoshida, T. *et al.*, *Chem. Pharm. Bull.*, 1996, **44**, 1376-1386, (*synth, ir, pmr, pharmacol*)