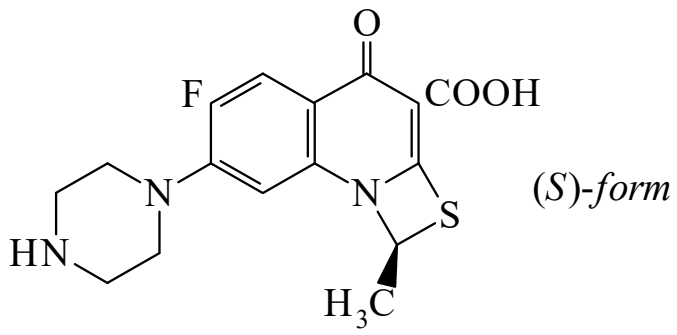
>>**Entry Name: 6-Fluoro-1-methyl-4-oxo-7-(1-piperazinyl)-1*H*,4*H*-[1,3]thiazeto[3,2-*a*]quinoline-3-carboxylic acid,** 9CI
Synonym(s): NM 394. NAD 394



(*S*)-*form*

CAS Registry Number: 112984-60-8

Molecular Formula: $C_{16}H_{16}FN_3O_3S$
Molecular Weight: 349.385
Accurate Mass: 349.08964
Percentage Composition: C 55.00%; H 4.62%; F 5.44%; N 12.03%; O 13.74%; S 9.18%
Biological Use/Importance: Antibacterial agent. Poorly absorbed from gastrointestinal tract
Other Data: Active form of prodrug Prulifloxacin NNQ91-B

>>**Variant:** (*R*)-form

CAS Registry Number: 138382-95-3
Molecular Formula: $C_{16}H_{16}FN_3O_3S$
Molecular Weight: 349.385
Accurate Mass: 349.08964
Percentage Composition: C 55.00%; H 4.62%; F 5.44%; N 12.03%; O 13.74%; S 9.18%
Physical Description: Powder
Melting Point: Mp 300 dec.°
Optical Rotation: $[\alpha]_D^{20}$+140.2 (c, 0.93 in 0.1*M* NaOH)
Other Data: Mp > 300° (dec.)

>>**Variant:** (*S*)-form

CAS Registry Number: 138382-93-1
Molecular Formula: $C_{16}H_{16}FN_3O_3S$
Molecular Weight: 349.385
Accurate Mass: 349.08964
Percentage Composition: C 55.00%; H 4.62%; F 5.44%; N 12.03%; O 13.74%; S 9.18%
Physical Description: Powder
Melting Point: Mp 300 dec.°
Optical Rotation: $[\alpha]_D^{20}$–149.7 (c, 0.86 in 0.1*M* NaOH)
Other Data: Mp > 300° (dec.). Pharmacol. active isomer

>>**Variant:** (±)-form

CAS Registry Number: 138330-14-0
Molecular Formula: $C_{16}H_{16}FN_3O_3S$
Molecular Weight: 349.385
Accurate Mass: 349.08964
Percentage Composition: C 55.00%; H 4.62%; F 5.44%; N 12.03%; O 13.74%; S 9.18%
Physical Description: Pale yellow cryst. ($CHCl_3$/MeOH)
Melting Point: Mp 215-218 dec.°

>>**Derivative:** Et ester

CAS Registry Number: 113028-17-4
Molecular Formula: $C_{18}H_{20}FN_3O_3S$
Molecular Weight: 377.439
Accurate Mass: 377.12094
Percentage Composition: C 57.28%; H 5.34%; F 5.03%; N 11.13%; O 12.72%; S 8.50%
Physical Description: Cryst.
Melting Point: Mp 230°

References: