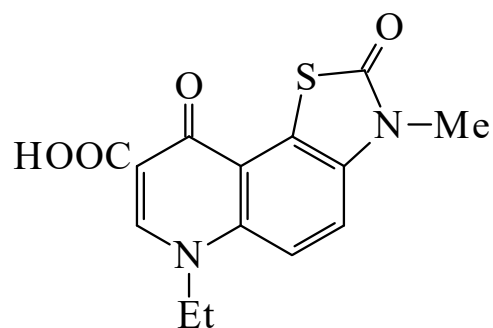




>>Entry Name: Tioxacin, INN

Synonym(s): 6-Ethyl-2,3,6,9-tetrahydro-3-methyl-2,9-dioxothiazolo[5,4-*f*]quinoline-8-carboxylic acid, 9Cl. DJ 1611



CAS Registry Number: 34976-39-1

Molecular Formula: C₁₄H₁₂N₂O₄S

Molecular Weight: 304.326

Accurate Mass: 304.051778

Percentage Composition: C 55.25%; H 3.97%; N 9.21%; O 21.03%; S 10.54%

Use/Importance: Antibacterial agent

Physical Description: Needles (DMF)

Melting Point: Mp 300°

>>Derivative: Me ester

CAS Registry Number: 34976-46-0

Molecular Formula: C₁₅H₁₄N₂O₄S

Molecular Weight: 318.353

Accurate Mass: 318.067428

Percentage Composition: C 56.59%; H 4.43%; N 8.80%; O 20.10%; S 10.07%

Physical Description: Needles (MeOH)

Melting Point: Mp 274-275°

>>Derivative: Et ester

CAS Registry Number: 41807-75-4

Molecular Formula: C₁₆H₁₆N₂O₄S

Molecular Weight: 332.379

Accurate Mass: 332.083078

Percentage Composition: C 57.82%; H 4.85%; N 8.43%; O 19.25%; S 9.65%

Physical Description: Needles (DMF)

Melting Point: Mp 261-265°

References:

Kadoya, S. *et al.*, *Chem. Pharm. Bull.*, 1976, **24**, 147; 1050, (*synth, pharmacol, uv*)