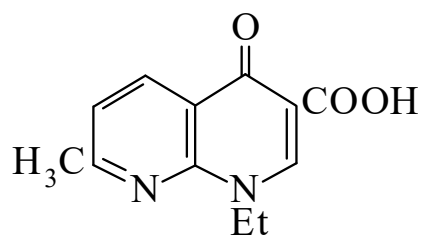




>>Entry Name: Nalidixic acid, BAN, INN, JAN, USAN

Synonym(s): 1-Ethyl-1,4-dihydro-7-methyl-4-oxo-1,8-naphthyridine-3-carboxylic acid, 9CI. Negram. Wintomylon. Cybis. Nalidixanum. Nalidixin. NSC 82174. Many other names



CAS Registry Number: 389-08-2

Related CAS Registry Numbers(s): 3374-05-8

Molecular Formula: C₁₂H₁₂N₂O₃

Molecular Weight: 232.238

Accurate Mass: 232.084793

Percentage Composition: C 62.06%; H 5.21%; N 12.06%; O 20.67%

Use/Importance: Antibacterial agent

Physical Description: Pale buff cryst.

Melting Point: Mp 229-230°

Solubility: Sol. CHCl₃, mod. sol. EtOH, MeOH

Calculated Log P Data: Log P 0.54 (calc)

Hazard & Toxicity: Adverse effects when used therapeutically incl. gastrointestinal disturbances, neurological effects and hypersensitivity reactions. LD₅₀ (rat, orl) 1160 mg/kg. Exp. reprod. and teratogenic effects. Exp. carcinogenic data.

Aldrich: 15854-2

Fluka: 70162

Sigma: N8878

>>Derivative: Na salt, monohydrate

Synonym(s): Nalidixate sodium, USAN. WIN 18320-3

CAS Registry Number: 15769-77-4

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