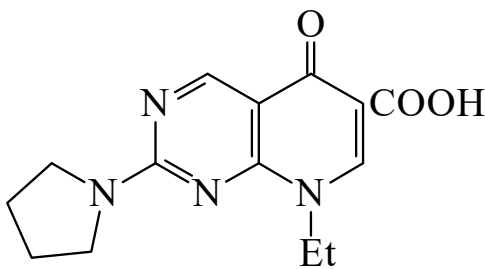




>>Entry Name: Piromidic acid, INN, JAN

Synonym(s): 8-Ethyl-5,8-dihydro-5-oxo-2-(1-pyrrolidinyl)pyrido[2,3-*d*]pyrimidine-6-carboxylic acid, 9CI. Actrun C. Bactamyl. Enterol. Panacid. Pirodal. Purim. Reelon. Septural. Uropir. PD-93. Many other names



CAS Registry Number: 19562-30-2

Molecular Formula: C₁₄H₁₆N₄O₃

Molecular Weight: 288.305

Accurate Mass: 288.122241

Percentage Composition: C 58.32%; H 5.59%; N 19.43%; O 16.65%

Biological Use/Importance: Antiinfective agent (effective against gram-negative bacteria). Intestinal and urinary antibacterial agent

Physical Description: Cryst. (EtOH/CHCl₃)

Melting Point: Mp 314-316°

Calculated Log P Data: Log P 0.81 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) >5000 mg/kg. LD₅₀ (rat, ipr) >4200 mg/kg

Sigma: P6542

>>Derivative: Et ester

CAS Registry Number: 33836-43-0

Molecular Formula: C₁₆H₂₀N₄O₃

Molecular Weight: 316.359

Accurate Mass: 316.153541

Percentage Composition: C 60.75%; H 6.37%; N 17.71%; O 15.17%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 197-198°

>>Derivative: 3'-Hydroxy

Synonym(s): β-Hydroxypiromidic acid

CAS Registry Number: 34014-01-2

Molecular Formula: C₁₄H₁₆N₄O₄

Molecular Weight: 304.305

Accurate Mass: 304.117156

Percentage Composition: C 55.26%; H 5.30%; N 18.41%; O 21.03%

Biological Use/Importance: Antibacterial agent

Physical Description: Needles (DMF)

Melting Point: Mp 281-282°

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