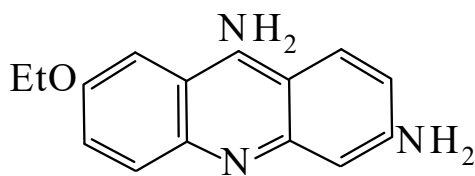




>>Entry Name: 3,9-Diamino-7-ethoxyacridine

Synonym(s): 7-Ethoxy-3,9-acridinediamine, 9Cl. Ethacridine, INN



CAS Registry Number: 442-16-0

Molecular Formula: C₁₅H₁₅N₃O

Molecular Weight: 253.303

Accurate Mass: 253.121512

Percentage Composition: C 71.13%; H 5.97%; N 16.59%; O 6.32%

Use/Importance: Antiseptic, disinfectant. Used for indirect photometric detn. of P(I); photometric detn. of Cl₂ and ClO⁽⁻⁾

Physical Description: Orange-yellow cryst. (EtOH aq.)

Melting Point: Mp 226°

Calculated Log P Data: Log P 3.37 (calc)

Rare Chemicals Library: S34844-9

>>Derivative: Lactate salt

Synonym(s): Rivanol. Antidiar 200. Acrinolum

CAS Registry Number: 1837-57-6

Extra CAS Registry Numbers(s): 6402-23-9

Physical Description: Pale-yellow cryst. + 1H₂O (EtOH/Et₂O)

Melting Point: Mp 235°

Other Data: Darkens at 200°

Hazard & Toxicity: LD₅₀ (mus, scu) 120 mg/kg. Mutagenic props.

>>Derivative: 3,9-Di-N-Ac

Molecular Formula: C₁₉H₁₉N₃O₃

Molecular Weight: 337.377

Accurate Mass: 337.142642

Percentage Composition: C 67.64%; H 5.68%; N 12.45%; O 14.23%

Physical Description: Cryst. (Py aq.)

Melting Point: Mp 296-297 dec.°

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