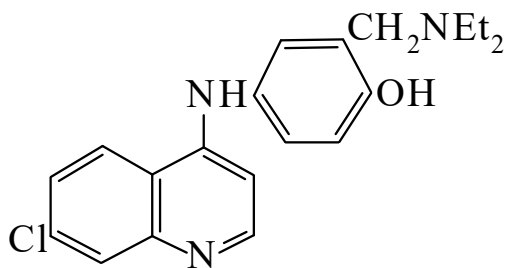




>>Entry Name: Amodiaquine, BAN, INN, USAN

Synonym(s): 4-[(7-Chloro-4-quinolinyl)amino]-2-[(diethylamino)methyl]phenol, 9Cl, 8Cl. 7-Chloro-4-(3-dimethylaminomethyl-4-hydroxyanilino)quinoline



CAS Registry Number: 86-42-0

Related CAS Registry Numbers(s): 6398-98-7

Molecular Formula: C₂₀H₂₂ClN₃O

Molecular Weight: 355.866

Accurate Mass: 355.145139

Percentage Composition: C 67.50%; H 6.23%; Cl 9.96%; N 11.81%; O 4.50%

Use/Importance: Antimalarial drug

Melting Point: Mp 208 dec.°

Calculated Log P Data: Log P 5.4 (calc)

>>Derivative: Hydrochloride (1:2)

Synonym(s): Amodiaquine hydrochloride, INN, USAN. Camoquin. Flavoquine. Miaquin. SN 10751

CAS Registry Number: 69-44-3

Physical Description: Yellow bitter cryst. + 2H₂O

Other Data: Dec. at 150-160°

Hazard & Toxicity: Adverse effects when used therapeutically, incl. agranulocytosis and hepatotoxicity

>>Derivative: 1-Oxide

Melting Point: Mp 226 dec.°

>>Derivative: N' (α)-Oxide

Melting Point: Mp 191 dec.°

>>Derivative: N,N'-Dioxide

Melting Point: Mp 189-190 dec.°

References:

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