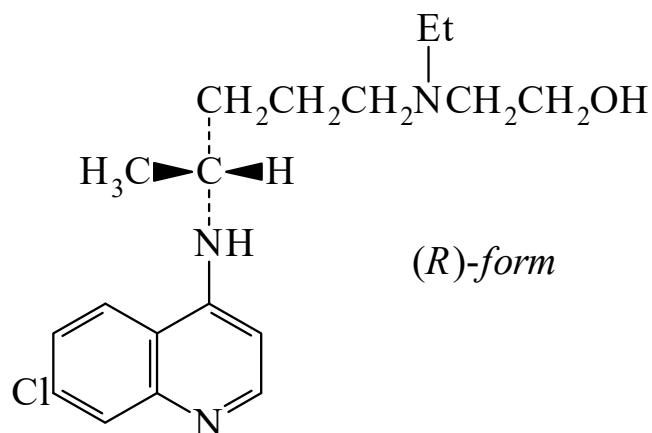




>>Entry Name: **Hydroxychloroquine**, BAN, INN

Synonym(s): 2-[[4-[(7-Chloro-4-quinolinyl)amino]pentyl]ethylamino]ethanol, 9CI. Chloquin. Ercoquin. Oxiklorin. Plaquenil. Plaquinol. Quensyl. Reumoide. Toremonil. Win 1258-2



CAS Registry Number: 118-42-3

Molecular Formula: C₁₈H₂₆ClN₃O

Molecular Weight: 335.876

Accurate Mass: 335.176439

Percentage Composition: C 64.37%; H 7.80%; Cl 10.56%; N 12.51%; O 4.76%

Use/Importance: Antimalarial and lupus erythematosus suppressant

Calculated Log P Data: Log P 3.93 (calc)

Hazard & Toxicity: LD₅₀ (mus, orl) 1240 mg/kg

>>Variant: (*R*)-form

Molecular Formula: C₁₈H₂₆ClN₃O

Molecular Weight: 335.876

Accurate Mass: 335.176439

Percentage Composition: C 64.37%; H 7.80%; Cl 10.56%; N 12.51%; O 4.76%

Optical Rotation: [α]_D -74 (c, 0.75 in MeOH) (99% ee)

>>Variant: (*S*)-form

Molecular Formula: C₁₈H₂₆ClN₃O

Molecular Weight: 335.876

Accurate Mass: 335.176439

Percentage Composition: C 64.37%; H 7.80%; Cl 10.56%; N 12.51%; O 4.76%

Melting Point: Mp 224-225°

Optical Rotation: [α]_D²⁵ +94.4 (c, 4.2 in MeOH) (98.1% ee)

>>Variant: ($\pm$)-form

Molecular Formula: C₁₈H₂₆ClN₃O

Molecular Weight: 335.876

Accurate Mass: 335.176439

Percentage Composition: C 64.37%; H 7.80%; Cl 10.56%; N 12.51%; O 4.76%

Physical Description: Cryst. (CH₂Cl₂/hexane)

Melting Point: Mp 89-91°

>>Derivative: Sulfate

Synonym(s): Hydroxychloroquine sulfate, USAN

CAS Registry Number: 747-36-4

Melting Point: Mp 198°. Mp 240°

Other Data: Details of stoichiometry apparently not publ. Dimorphic

>>Derivative: Diphosphate

Melting Point: Mp 168-170°

References: