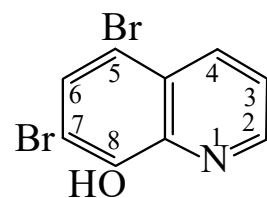




>>Entry Name: 5,7-Dibromo-8-hydroxyquinoline

Synonym(s): 5,7-Dibromo-8-quinolinol, 9CI. **Broxyquinoline**, INN, JAN. Dibromooxine. Bromooxine. Brodiar. Broxykinolin. Colepur. Fenilor. Dibromoquin. Many other names



CAS Registry Number: 521-74-4

Molecular Formula: C₉H₅Br₂NO

Molecular Weight: 302.953

Accurate Mass: 300.913786

Percentage Composition: C 35.68%; H 1.66%; Br 52.75%; N 4.62%; O 5.28%

Use/Importance: Fungicide; amoebicide. Used as 0.1% CHCl₃ soln. for photometric detn. of In ($\lambda_{\max}$ 415 nm, ϵ 8800), Ca, Mg

Physical Description: Needles (EtOH)

Melting Point: Mp 196° (190°)

Solubility: Insol. dil. acids; sol. CHCl₃, AcOH, EtOH

Calculated Log P Data: Log P 3.66 (calc)

Other Data: Sublimes

Hazard & Toxicity: LD₅₀ (mus, orl) 7420 mg/kg

Aldrich: D4160-0

Fluka: 34200

Sigma: D9382

>>Derivative: Hydrobromide

Physical Description: Yellow needles

Melting Point: Mp 250°

>>Derivative: Me ether

Synonym(s): 5,7-Dibromo-8-methoxyquinoline

Molecular Formula: C₁₀H₇Br₂NO

Molecular Weight: 316.979

Accurate Mass: 314.929436

Percentage Composition: C 37.89%; H 2.23%; Br 50.42%; N 4.42%; O 5.05%

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 103° (99°)

>>Derivative: N-Oxide

CAS Registry Number: 16846-41-6

Molecular Formula: C₉H₅Br₂NO₂

Molecular Weight: 318.952

Accurate Mass: 316.908701

Percentage Composition: C 33.89%; H 1.58%; Br 50.10%; N 4.39%; O 10.03%

Use/Importance: Used as freshly prepared Me₂CO soln. for photometric detn. of Ru(III) ($\lambda_{\max}$ 420 nm, ϵ 3800); as 1mM EtOH soln. for photometric detn. of Fe(III), U(VI); pptn. sepn. and gravimetric detn. of Ce, Th

Physical Description: Yellow cryst.

Solubility: Sol. Me₂CO

References: