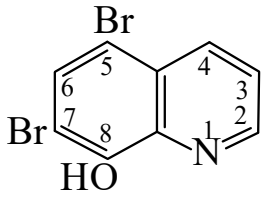
>>**Entry Name: 5,7-Dibromo-8-hydroxyquinoline**

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: $C_9H_5Br_2NO$
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% $CHCl_3$ soln. for photometric detn. of In (λ_{max} 415 nm, ε 8800), Ca, Mg
Physical Description: Needles (EtOH)
Melting Point: Mp 196° (190°)
Solubility: Insol. dil. acids; sol. $CHCl_3$, AcOH, EtOH
Calculated Log P Data: Log P 3.66 (calc)
Other Data: Sublimes
Hazard & Toxicity: LD_{50} (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: $C_{10}H_7Br_2NO$
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: $C_9H_5Br_2NO_2$
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 Me_2CO soln. for photometric detn. of Ru(*III*) (λ_{max} 420 nm, ε 3800); as 1m*M* EtOH soln. for photometric detn. of Fe(*III*), U(*VI*); pptn. sepn. and gravimetric detn. of Ce, Th
Physical Description: Yellow cryst.
Solubility: Sol. Me_2CO

References: