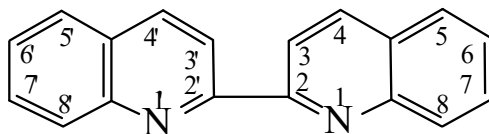




>>Entry Name: **2,2'-Biquinoline**, 9CI

Synonym(s): 2,2'-Biquinolyl. Cuproine. Biq



CAS Registry Number: 119-91-5

Molecular Formula: $C_{18}H_{12}N_2$

Molecular Weight: 256.306

Accurate Mass: 256.100048

Percentage Composition: C 84.35%; H 4.72%; N 10.93%

Use/Importance: Used as 0.03% soln. in isopentanol for specific photometric detn. of Cu ($\lambda_{\max}$ 546 nm, ϵ 6400). Complexing agent

Physical Description: Leaflets

Melting Point: Mp 196°

Solubility: Sol. org. solvs.; insol. H_2O

Aldrich: B3540-7

Fluka: 35020

Sigma: B5007

>>Derivative: Bis(methosulfate)

CAS Registry Number: 26723-70-6

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 260°

>>Derivative: *N,N'*-Dioxide

CAS Registry Number: 6495-83-6

Molecular Formula: $C_{18}H_{12}N_2O_2$

Molecular Weight: 288.305

Accurate Mass: 288.089878

Percentage Composition: C 74.99%; H 4.20%; N 9.72%; O 11.10%

Physical Description: Cryst. (MeOH) (anhyd.)

Melting Point: Mp 257 dec.°. Mp 248-250°

Other Data: Also forms hydrates

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