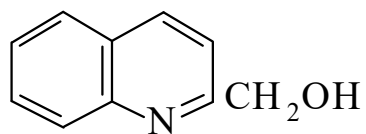




>>Entry Name: 2-Hydroxymethylquinoline

Synonym(s): 2-Quinolinemethanol, 9Cl. α -Hydroxyquinaldine. α -Quinolylcarbinol. α -Quinaldinol



CAS Registry Number: 1780-17-2

Molecular Formula: $C_{10}H_9NO$

Molecular Weight: 159.187

Accurate Mass: 159.068414

Percentage Composition: C 75.45%; H 5.70%; N 8.80%; O 10.05%

Physical Description: Needles (EtOH or petrol)

Melting Point: Mp 66-67° (64°)

Boiling Point: Bp 145-160°

UV: [neutral] $\lambda_{\max}$ 230 (ϵ 47700); 233 (ϵ 44500); 277 (ϵ 4000); 284 (ϵ 3800); 290 (ϵ 3700); 296 (ϵ 3300); 303 (ϵ 4000) (MeOH) (Berdy)

Other Data: Steam-volatile

>>Derivative: O-Benzoyl

Molecular Formula: $C_{17}H_{13}NO_2$

Molecular Weight: 263.295

Accurate Mass: 263.094629

Percentage Composition: C 77.55%; H 4.98%; N 5.32%; O 12.15%

Melting Point: Mp 52-53°

References:

Hammick, D.L., *J.C.S.*, 1926, 1303

Pachler, I.J., *J.A.C.S.*, 1953, **75**, 3026

Kato, T. *et al.*, *Yakugaku Zasshi*, 1962, **82**, 1649; *CA*, **59**, 2765