



>>Entry Name: 2-Acetyl-1-naphthol

Synonym(s): 1-(1-Hydroxy-2-naphthalenyl)ethanone, 9CI. 1-Hydroxy-2-acetonaphthone. 2-Acetyl-1-hydroxynaphthalene

CAS Registry Number: 711-79-5

Molecular Formula: $C_{12}H_{10}O_2$

Molecular Weight: 186.21

Accurate Mass: 186.06808

Percentage Composition: C 77.40%; H 5.41%; O 17.18%

Physical Description: Green-yellow needles (EtOH), prisms (C_6H_6 or petrol)

Melting Point: Mp 103° (needles). Mp 98° (prisms)

Boiling Point: Bp 325° sl. dec.

Solubility: Sol. AcOH, $CHCl_3$, CS_2 , C_6H_6 ; insol. H_2O

Other Data: Pale-yellow soln. in most solvs., colourless in petrol

Aldrich: 20566-4

Rare Chemicals Library: S28085-2

Sigma: H9654

>>Derivative: Me ether

Molecular Formula: $C_{13}H_{12}O_2$

Molecular Weight: 200.237

Accurate Mass: 200.08373

Percentage Composition: C 77.98%; H 6.04%; O 15.98%

Melting Point: Mp 49°

>>Derivative: Et ether

Molecular Formula: $C_{14}H_{14}O_2$

Molecular Weight: 214.263

Accurate Mass: 214.09938

Percentage Composition: C 78.48%; H 6.59%; O 14.93%

Boiling Point: Bp 320°

>>Derivative: Ac

Molecular Formula: $C_{14}H_{12}O_3$

Molecular Weight: 228.247

Accurate Mass: 228.078645

Percentage Composition: C 73.67%; H 5.30%; O 21.03%

Melting Point: Mp 107°