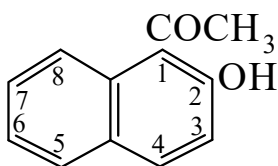




>>Entry Name: 1-Acetyl-2-naphthol

Synonym(s): 1-(2-Hydroxy-1-naphthalenyl)ethanone, 9CI. 2-Hydroxy-1-acetonaphthone, 8CI. 1-Acetyl-2-hydroxynaphthalene



CAS Registry Number: 574-19-6

Molecular Formula: C₁₂H₁₀O₂

Molecular Weight: 186.21

Accurate Mass: 186.06808

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

Physical Description: Needles (petrol)

Melting Point: Mp 64°

Aldrich: 30305-4

Sigma: H9779

>>Derivative: Me ether

Molecular Formula: C₁₃H₁₂O₂

Molecular Weight: 200.237

Accurate Mass: 200.08373

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

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 59°

>>Derivative: Benzoyl

Molecular Formula: C₁₉H₁₄O₃

Molecular Weight: 290.318

Accurate Mass: 290.094295

Percentage Composition: C 78.61%; H 4.86%; O 16.53%

Melting Point: Mp 85-86°

>>Derivative: Oxime

Synonym(s): 2-Hydroxy-1-acetonaphthonoxime

CAS Registry Number: 61537-74-4

Molecular Formula: C₁₂H₁₁NO₂

Molecular Weight: 201.224

Accurate Mass: 201.078979

Percentage Composition: C 71.63%; H 5.51%; N 6.96%; O 15.90%

Use/Importance: Used as 1% EtOH soln. for detn. of Cu; gravimetric detn. of Pd(II) (pH 1.5), Ni, Mn

Physical Description: Cryst.

Melting Point: Mp 86°

Solubility: Sol. EtOH

>>Derivative: Hydrazone

Molecular Formula: C₁₂H₁₂N₂O

Molecular Weight: 200.24

Accurate Mass: 200.094963

Percentage Composition: C 71.98%; H 6.04%; N 13.99%; O 7.99%

Melting Point: Mp 130°

References: