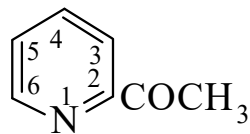




>>Entry Name: 2-Acetylpyridine

ENTRY UNDER REVIEW

Synonym(s): 1-(2-Pyridinyl)ethanone, 9CI. Methyl 2-pyridyl ketone. 2-Acetopyridine. FEMA 3251



CAS Registry Number: 1122-62-9

Molecular Formula: C₇H₇NO

Molecular Weight: 121.138

Accurate Mass: 121.052764

Percentage Composition: C 69.41%; H 5.82%; N 11.56%; O 13.21%

Source/Synthesis: Present in various cooked and treated food

Use/Importance: Organoleptic

Physical Description: Liq. with roasted odour

Boiling Point: Bp 192°

pKa Value: pK_a 2.64 (25°)

Refractive Index: n_D²⁰ 1.5203

Other Data: Turns yellow in air

Aldrich: W32510-4

Fluka: 1430

Sigma: A9156

>>Derivative: Hydrochloride

Melting Point: Mp 183-185 dec.°

>>Derivative: Methiodide

Melting Point: Mp 161°

>>Derivative: Ethiodide

Melting Point: Mp 205°

>>Derivative: Picrate

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 131°

>>Derivative: Oxime

Synonym(s): Acepox

CAS Registry Number: 1758-54-9

Molecular Formula: C₇H₈N₂O

Molecular Weight: 136.153

Accurate Mass: 136.063663

Percentage Composition: C 61.75%; H 5.92%; N 20.57%; O 11.75%

Use/Importance: Plant protectant. Used for photometric detn. of Re (λ_{max} 490 nm, ε 3800)

Physical Description: Prisms (EtOH)

Melting Point: Mp 121°

Solubility: Sol. H₂O