



>>Entry Name: 2-Acetyl-6-methylpyridine

ENTRY UNDER REVIEW

Synonym(s): 1-(6-Methyl-2-pyridinyl)ethanone, 9Cl. Methyl 6-methyl-2-pyridyl ketone, 8Cl. 6-Acetyl-2-picoline

CAS Registry Number: 6940-57-4

Related CAS Registry Numbers(s): 18103-88-3

Molecular Formula: C₈H₉NO

Molecular Weight: 135.165

Accurate Mass: 135.068414

Percentage Composition: C 71.09%; H 6.71%; N 10.36%; O 11.84%

Biological Source: Minor component of rum and tobacco smoke

Use/Importance: Flavour modifying agent for coffee

Physical Description: Liq.

Boiling Point: Bp₁ 46°

>>Derivative: Oxime (*E*-)

CAS Registry Number: 23089-39-6

Molecular Formula: C₈H₁₀N₂O

Molecular Weight: 150.18

Accurate Mass: 150.079313

Percentage Composition: C 63.98%; H 6.71%; N 18.65%; O 10.65%

Use/Importance: Used as a 0.01*M* soln. in EtOH for photometric detn. of Cu(*I*) ($\lambda_{\max}$ 422 nm, ϵ 8400, EtOH aq.)

Physical Description: Cryst. (petrol)

Melting Point: Mp 49-50°

Solubility: Sol. EtOH

>>Derivative: Dimethylhydrazone

CAS Registry Number: 33785-80-7

Molecular Formula: C₁₀H₁₅N₃O

Molecular Weight: 193.248

Accurate Mass: 193.121512

Percentage Composition: C 62.15%; H 7.82%; N 21.74%; O 8.28%

Physical Description: Liq.

Boiling Point: Bp_{0.1} 53-54°

Refractive Index: n_D²⁶ 1.5370

References:

Case, F.H. *et al.*, *J. Het. Chem.*, 1968, **5**, 161, (*synth, oxime*)

Schilt, A. *et al.*, *Talanta*, 1969, **16**, 448, (*detn, Cu*)

Newkome, G.R. *et al.*, *J.O.C.*, 1972, **37**, 1329, (*deriv*)

Zanger, M. *et al.*, *Anal. Chem.*, 1974, **46**, 2042, (*pmr*)

Amin, H.B. *et al.*, *J.C.S. Perkin 2*, 1979, 624, (*synth*)