



>>Entry Name: **5-Acetyl-2-methylpyridine**

Synonym(s): 1-(6-Methyl-3-pyridinyl)ethanone, 9CI. Methyl 6-methyl-3-pyridyl ketone, 8CI. 5-Acetyl-2-picoline

CAS Registry Number: 36357-38-7

Related CAS Registry Numbers(s): 65305-38-6

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 palmarosa oil and tobacco smoke

Use/Importance: Used in perfume compositions

Physical Description: Liq.

Boiling Point: Bp₁₅ 105-106°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 40624-50-8

Physical Description: Solid

Melting Point: Mp 224-225°

References:

Muruoka, M. *et al.*, *Nippon Kagaku Zasshi*, 1961, **82**, 1279; *CA*, **59**, 563b, (*synth*)

Hawkins, E.G.E., *J.C.S. Perkin 1*, 1972, 2882, (*synth*)

Kozerski, L., *Org. Magn. Reson.*, 1977, **9**, 395, (*cmr*)

Markova, N.K. *et al.*, *Zh. Org. Khim.*, 1984, **20**, 962, (*synth*)