



>>Entry Name: 3-Methyl-2-pyridinecarboxaldehyde, 9CI
Synonym(s): 3-Methylpicolinaldehyde, 8CI. 2-Formyl-3-methylpyridine

CAS Registry Number: 55589-47-4

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%
Physical Description: Liq.
Melting Point: Mp 8°
Boiling Point: Bp₁₂ 83-84°. Bp_{0.2} 52-54°

>>Derivative: Oxime

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%
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 152-154°

>>Derivative: Phenylhydrazone

Physical Description: Yellow needles (EtOH)
Melting Point: Mp 170-171° (160°)

>>Derivative: Semicarbazone

Physical Description: Cryst.
Melting Point: Mp 197°

References:

Mathes, W. *et al.*, *Chem. Ber.*, 1957, **90**, 758, (*synth*)
Ginsburg, S. *et al.*, *J.A.C.S.*, 1957, **79**, 481, (*synth, props*)
Schulz, O.E. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1977, **310**, 128, (*synth*)
Jones, G. *et al.*, *J.C.S. Perkin 1*, 1985, 2719, (*synth*)
Iqbal, N. *et al.*, *J. Med. Chem.*, 1998, **41**, 1827-1837, (*synth, ir, pmr*)
Dunn, A.D. *et al.*, *Org. Prep. Proced. Int.*, 1999, **31**, 120-123, (*synth, pmr*)