



>>Entry Name: 4-Methyl-3-pyridinecarboxaldehyde, 9CI
Synonym(s): 4-Methylnicotinaldehyde, 8CI. 3-Formyl-4-methylpyridine

CAS Registry Number: 51227-28-2

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.
Boiling Point: Bp₁₂ 110-112°

>>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)
Melting Point: Mp 177.5-180.5°

>>Derivative: Semicarbazone

Physical Description: Cryst. (EtOH)
Melting Point: Mp 195.5-198.5°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 69544-42-9
Physical Description: Orange cryst. (EtOH)
Melting Point: Mp 302-304° (255.5-256°)

References:

Bobbitt, J.M. *et al.*, *J.O.C.*, 1960, 560, (*synth*)
Lunazzi, L. *et al.*, *J.C.S. Perkin 2*, 1976, 1791, (*synth, pmr, cmr, conformn*)
Reimann, E., *Annalen*, 1978, 1963, (*synth, pmr*)
Shariff, A. *et al.*, *Can. J. Chem.*, 1983, **61**, 2813, (*synth*)