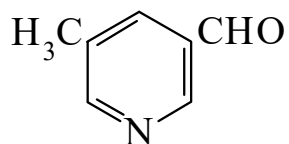




>>Entry Name: 5-Methyl-3-pyridinecarboxaldehyde

Synonym(s): 5-Methylnicotinaldehyde, 8Cl. 3-Formyl-5-methylpyridine



CAS Registry Number: 100910-66-5

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: Low melting solid

Melting Point: Mp 37°

Boiling Point: Bp₂₀ 130°. Bp_{0.5} 68°

>>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. (H₂O)

Melting Point: Mp 153°

>>Derivative: Phenylhydrazone

Physical Description: Yellow cryst. (MeOH)

Melting Point: Mp 145°

>>Derivative: Semicarbazone

Physical Description: Cryst. (H₂O)

Melting Point: Mp 244° (210°)

References:

Mathes, W. *et al.*, *Chem. Ber.*, 1960, **93**, 286, (*synth, deriv*)

Kyba, E.P. *et al.*, *J.O.C.*, 1988, **53**, 3513, (*synth, pmr, ir*)