



>>Entry Name: 6-Methyl-3-pyridinecarboxaldehyde, 9CI
Synonym(s): 6-Methylnicotinaldehyde, 8CI. 5-Formyl-2-methylpyridine

CAS Registry Number: 53014-84-9

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: Bp₆ 78°
Refractive Index: n_D²⁵ 1.5411

>>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.
Melting Point: Mp 160-162°

>>Derivative: Semicarbazone

Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 234°

>>Derivative: Phenylhydrazone

Physical Description: Yellow cryst. (EtOH aq.)
Melting Point: Mp 143-144°
Other Data: Forms a monohydrate, Mp 115°

References:

Felder, E. *et al.*, *Gazz. Chim. Ital.*, 1956, **86**, 386, (*synth*)
Mathes, W. *et al.*, *Chem. Ber.*, 1960, **93**, 286, (*synth*)
Callighan, R.H. *et al.*, *J.O.C.*, 1961, **26**, 4912, (*synth, oxime*)
Kyba, E.P. *et al.*, *J.O.C.*, 1988, **53**, 3513, (*synth, pmr, ir*)