



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

CAS Registry Number: 55589-47-4

Molecular Formula: C<sub>7</sub>H<sub>7</sub>NO  
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: Bp<sub>12</sub> 83-84°. Bp<sub>0.2</sub> 52-54°

>>Derivative: Oxime

Molecular Formula: C<sub>7</sub>H<sub>8</sub>N<sub>2</sub>O  
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*)