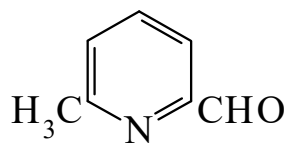




>>Entry Name: 6-Methyl-2-pyridinecarboxaldehyde, 9Cl

Synonym(s): 6-Methylpicolinaldehyde, 8Cl. 2-Formyl-6-methylpyridine



CAS Registry Number: 1122-72-1

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: Cryst.

Melting Point: Mp 33°

Boiling Point: Bp₁₂ 77-78°

pKa Value: pK_a 4.55

Aldrich: M7820-8

Fluka: 69035

>>Derivative: Hydrochloride

Physical Description: Cryst.

Melting Point: Mp 146-147°

>>Derivative: (*E*)-Oxime

CAS Registry Number: 1195-40-0

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 170-171° (168-169.5°)

>>Derivative: 1-Oxide

Molecular Formula: C₇H₇NO₂

Molecular Weight: 137.138

Accurate Mass: 137.047679

Percentage Composition: C 61.31%; H 5.14%; N 10.21%; O 23.33%

Physical Description: Yellow cryst. (C₆H₆)

Melting Point: Mp 84°

>>Derivative: Dimethylhydrazone

Molecular Formula: C₉H₁₃N₃

Molecular Weight: 163.222

Accurate Mass: 163.110947

Percentage Composition: C 66.23%; H 8.03%; N 25.74%

Physical Description: Cryst.

Melting Point: Mp 51-53°

>>Derivative: Phenylhydrazone

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 203-205°

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 231-233 dec.°

>>Derivative: Semicarbazone

Melting Point: Mp 218°

>>Derivative: Thiosemicarbazone