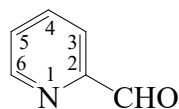




>>Entry Name: 2-Pyridinecarboxaldehyde, 9CI
Synonym(s): Picolinaldehyde, 8CI. 2-Formylpyridine



CAS Registry Number: 1121-60-4
Related CAS Registry Numbers(s): 30915-37-8 30915-38-9

Molecular Formula: C₆H₅NO
Molecular Weight: 107.112
Accurate Mass: 107.037114
Percentage Composition: C 67.28%; H 4.70%; N 13.08%; O 14.94%
Physical Description: Oil
Boiling Point: Bp 181°. Bp_{13.5} 62-63° (lit. gives a pressure range)
Solubility: Sol. H₂O
Density: d₄¹⁸ 1.13
pKa Value: pK_{a1} 3.8; pK_{a2} 12.8 (20°, 0.2M KNO₃)
Refractive Index: n_D¹⁹ 1.5389

Aldrich: P6200-3
Fluka: 82710
Sigma: P4012

>>Derivative: Methiodide

CAS Registry Number: 3784-97-2
Physical Description: Yellow cryst.
Melting Point: Mp 178-179°

>>Derivative: Oxime
Synonym(s): 2-Pyridinealdoxime

CAS Registry Number: 873-69-8

Molecular Formula: C₆H₆N₂O
Molecular Weight: 122.126
Accurate Mass: 122.048013
Percentage Composition: C 59.01%; H 4.95%; N 22.94%; O 13.10%
Use/Importance: Used for titrimetric detn. of Fe
Physical Description: Needles (H₂O)
Melting Point: Mp 113-115°
Solubility: Sol. H₂O, EtOH, Et₂O
pKa Value: pK_{a2} 10.17 (25°)
Hazard & Toxicity: LD₅₀ (rat, ipr) 299 mg/kg

Fluka: 82760

>>Derivative: Oxime, N-oxide

CAS Registry Number: 698-21-5
Molecular Formula: C₆H₆N₂O₂
Molecular Weight: 138.126
Accurate Mass: 138.042928
Percentage Composition: C 52.17%; H 4.38%; N 20.28%; O 23.17%
Melting Point: Mp 230-235°