



>>Entry Name: 6-Formyl-2-pyridinecarboxylic acid

Synonym(s): 6-Formylpicolinic acid

Structure by analogy with 2-Formyl-3-pyridinecarboxylic acid, [FVX53-U](#)

Molecular Formula: C₇H₅NO₃

Molecular Weight: 151.121

Accurate Mass: 151.026944

Percentage Composition: C 55.64%; H 3.33%; N 9.27%; O 31.76%

Physical Description: Needles (C₆H₆)

Melting Point: Mp 165°

Other Data: Turns green in air

>>Derivative: Me ester

CAS Registry Number: 69950-65-8

Molecular Formula: C₈H₇NO₃

Molecular Weight: 165.148

Accurate Mass: 165.042594

Percentage Composition: C 58.18%; H 4.27%; N 8.48%; O 29.06%

Physical Description: Needles (H₂O)

Melting Point: Mp 102°

>>Derivative: Nitrile

Synonym(s): 6-Formyl-2-pyridinecarbonitrile, 9CI. 6-Cyano-2-pyridinecarboxaldehyde. 2-Cyano-6-formylpyridine

CAS Registry Number: 85148-95-4

Molecular Formula: C₇H₄N₂O

Molecular Weight: 132.121

Accurate Mass: 132.032363

Percentage Composition: C 63.64%; H 3.05%; N 21.20%; O 12.11%

Physical Description: Needles (cyclohexane)

Melting Point: Mp 80-82°

References:

Mathes, W. *et al.*, *Chem. Ber.*, 1953, **86**, 584; 1954, **87**, 1868

Eichinger, K. *et al.*, *Synthesis*, 1982, 1094, (*derivs*)