



>>Entry Name: Furo[2,3-*b*]pyridine-3-carboxaldehyde, 9CI

Synonym(s): 3-Formylfuro[2,3-*b*]pyridine

CAS Registry Number: 109274-99-9

Structure by analogy with Furo[2,3-*b*]pyridine-2-carboxaldehyde, [GVT00-T](#)

Molecular Formula: C₈H₅NO₂

Molecular Weight: 147.133

Accurate Mass: 147.032029

Percentage Composition: C 65.31%; H 3.43%; N 9.52%; O 21.75%

Physical Description: Cryst. (MeOH/Et₂O)

Melting Point: Mp 121-124°

>>Derivative: Hydrazone

CAS Registry Number: 109275-00-5

Molecular Formula: C₈H₇N₃O

Molecular Weight: 161.163

Accurate Mass: 161.058912

Percentage Composition: C 59.62%; H 4.38%; N 26.07%; O 9.93%

Melting Point: Mp 288-292°

>>Derivative: 4-Methylbenzenesulfonylhydrazone

Melting Point: Mp 178-180°

References:

Morita, H. *et al.*, *J. Het. Chem.*, 1986, **23**, 1465, (*synth, ir, pmr*)