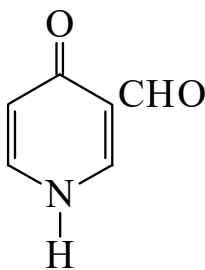




>>Entry Name: 4-Hydroxy-3-pyridinecarboxaldehyde

Synonym(s): 1,4-Dihydro-4-oxo-3-pyridinecarboxaldehyde, 9Cl. 4-Hydroxynicotinaldehyde, 8Cl. 3-Formyl-4(1H)-pyridone



CAS Registry Number: 90490-54-3

Molecular Formula: C₆H₅NO₂

Molecular Weight: 123.111

Accurate Mass: 123.032029

Percentage Composition: C 58.54%; H 4.09%; N 11.38%; O 25.99%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 212 dec.°

Boiling Point: Subl._{0.2} 150°

>>Derivative: Hydrochloride

Physical Description: Cryst. by subl.

Boiling Point: Subl. 184-188°

>>Derivative: Me ether

Synonym(s): 4-Methoxy-3-pyridinecarboxaldehyde, 9Cl

CAS Registry Number: 82257-15-6

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: Cryst. (CCl₄)

Melting Point: Mp 65.5-67.5°

References:

}Zemli}cka, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1961, **26**, 2838, (*synth*)

Arya, F. *et al.*, *Synthesis*, 1983, 946, (*synth, pmr, cmr*)

Marsais, F. *et al.*, *J. Het. Chem.*, 1988, **25**, 81, (*synth*)

Comins, D.L. *et al.*, *Tet. Lett.*, 1988, **29**, 773, (*ether*)