



>>Entry Name: 5-(Hydroxymethyl)-3-pyridinecarboxylic acid, 9CI

Synonym(s): 5-(Hydroxymethyl)nicotinic acid

Molecular Formula: C₇H₇NO₃

Molecular Weight: 153.137

Accurate Mass: 153.042594

Percentage Composition: C 54.90%; H 4.61%; N 9.15%; O 31.34%

>>Derivative: Et ester

CAS Registry Number: 59936-06-0

Molecular Formula: C₉H₁₁NO₃

Molecular Weight: 181.191

Accurate Mass: 181.073894

Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%

Physical Description: Oil

Boiling Point: Bp_{0.01} 136°

>>Derivative: Amide

CAS Registry Number: 59936-07-1

Molecular Formula: C₇H₈N₂O₂

Molecular Weight: 152.152

Accurate Mass: 152.058578

Percentage Composition: C 55.26%; H 5.30%; N 18.41%; O 21.03%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 158°

>>Derivative: Nitrile

Synonym(s): 5-(Hydroxymethyl)-3-pyridinecarbonitrile. 5-Cyano-3-pyridinemethanol. 3-Cyano-5-(hydroxymethyl)pyridine

CAS Registry Number: 135124-71-9

Molecular Formula: C₇H₆N₂O

Molecular Weight: 134.137

Accurate Mass: 134.048013

Percentage Composition: C 62.68%; H 4.51%; N 20.88%; O 11.93%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 80-82°

References:

Trommer, W.E. *et al.*, *Annalen*, 1976, 848-856, (*Et ester, amide*)

Winter, J. *et al.*, *Chem. Eur. J.*, 1997, **3**, 410-416, (*nitrile, synth, ir, pmr, cmr*)