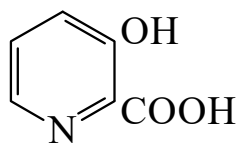




>>Entry Name: 3-Hydroxy-2-pyridinecarboxylic acid, 9CI

Synonym(s): 3-Hydroxypicolinic acid, 8CI



CAS Registry Number: 874-24-8

Molecular Formula: C₆H₅NO₃

Molecular Weight: 139.11

Accurate Mass: 139.026944

Percentage Composition: C 51.80%; H 3.62%; N 10.07%; O 34.50%

Biological Source: Component of the antibiotics Neoviridogrisein II [CKV22-U](#) and Ostreogrycin B [HBQ52-W](#)

Physical Description: Needles (MeOH)

Melting Point: Mp 214-215 dec.°

pKa Value: pK_{a2} 5.17; pK_{a3} 10.76 (25°,c 0.01)

Aldrich: 15230-7

Fluka: 56198

>>Derivative: Hydrochloride

CAS Registry Number: 5603-03-2

Melting Point: Mp 220-222 dec.°

>>Derivative: Me ester

CAS Registry Number: 62733-99-7

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%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 73°

Solubility: Sol. EtOH, CHCl₃, insol. C₆H₆, petrol

>>Derivative: Amide

CAS Registry Number: 933-90-4

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%

Physical Description: Needles (CHCl₃)

Melting Point: Mp 192-194°

Aldrich: 15313-3

>>Derivative: Nitrile

Synonym(s): 2-Cyano-3-hydroxypyridine

CAS Registry Number: 932-35-4

Molecular Formula: C₆H₄N₂O

Molecular Weight: 120.11

Accurate Mass: 120.032363

Percentage Composition: C 60.00%; H 3.36%; N 23.32%; O 13.32%

Melting Point: Mp 221° (211-212° dec.)

References: