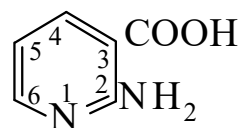




>>Entry Name: 2-Amino-3-pyridinecarboxylic acid, 9CI

Synonym(s): 2-Aminonicotinic acid



CAS Registry Number: 5345-47-1

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: Cryst. (H₂O)

Melting Point: Mp 310° (290° dec.)

pKa Value: pK_{a1} 2.25; pK_{a2} 6.54

Aldrich: A6830-0

Fluka: 8810

>>Derivative: Me ester

CAS Registry Number: 14667-47-1

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 aq.)

Melting Point: Mp 85°

>>Derivative: Me ester, *N*-Ac

Molecular Formula: C₉H₁₀N₂O₃

Molecular Weight: 194.19

Accurate Mass: 194.069143

Percentage Composition: C 55.67%; H 5.19%; N 14.43%; O 24.72%

Physical Description: Cryst. (petrol)

Melting Point: Mp 88°

>>Derivative: Et ester

CAS Registry Number: 13362-26-0

Molecular Formula: C₈H₁₀N₂O₂

Molecular Weight: 166.179

Accurate Mass: 166.074228

Percentage Composition: C 57.82%; H 6.07%; N 16.86%; O 19.26%

Melting Point: Mp 94-96°

>>Derivative: Amide

CAS Registry Number: 13438-65-8

Molecular Formula: C₆H₇N₃O

Molecular Weight: 137.141

Accurate Mass: 137.058912

Percentage Composition: C 52.55%; H 5.14%; N 30.64%; O 11.67%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 195°

>>Derivative: Nitrile

Synonym(s): 2-Amino-3-cyanopyridine

CAS Registry Number: 24517-64-4

Molecular Formula: C₆H₅N₃

Molecular Weight: 119.126

Accurate Mass: 119.048347

Percentage Composition: C 60.50%; H 4.23%; N 35.27%

Physical Description: Cryst. (C₆H₆/cyclohexane)

Melting Point: Mp 130-132° (103-106°)