



>>Entry Name: 2-Amino-4-pyridinecarboxylic acid, 9CI

Synonym(s): 2-Aminoisonicotinic acid

CAS Registry Number: 13362-28-2

Molecular Formula: $C_6H_6N_2O_2$

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 300-350 dec.°

pKa Value: pK_{a1} 1.95; pK_{a2} 6.37

>>Derivative: Me ester

CAS Registry Number: 6937-03-7

Molecular Formula: $C_7H_8N_2O_2$

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. (H₂O)

Melting Point: Mp 148°

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

Molecular Formula: $C_9H_{10}N_2O_3$

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. (EtOH)

Melting Point: Mp 198°

>>Derivative: Et ester

CAS Registry Number: 13362-30-6

Molecular Formula: $C_8H_{10}N_2O_2$

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 118-120°

>>Derivative: 2-*N*-Ac

CAS Registry Number: 54221-95-3

Molecular Formula: $C_8H_8N_2O_3$

Molecular Weight: 180.163

Accurate Mass: 180.053493

Percentage Composition: C 53.33%; H 4.48%; N 15.55%; O 26.64%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 286-287°

References:

Bäumler, J. *et al.*, *Helv. Chim. Acta*, 1951, **34**, 496

Ferrari, G. *et al.*, *Farmaco, Ed. Sci.*, 1958, **13**, 485; *CA*, **53**, 7162