



>>Entry Name: 4-Amino-3-pyridinecarboxylic acid, 9CI

Synonym(s): 4-Aminonicotinic acid

CAS Registry Number: 7418-65-7

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 328°. Mp 338-340 dec.°

>>Derivative: Me ester

CAS Registry Number: 16135-36-7

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 173°

>>Derivative: Et ester

CAS Registry Number: 16952-66-2

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 109-111°

>>Derivative: Amide

CAS Registry Number: 7418-66-8

Molecular Formula: $C_6H_7N_3O$

Molecular Weight: 137.141

Accurate Mass: 137.058912

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

Melting Point: Mp 229.5-230.5°

>>Derivative: Hydrazide

Molecular Formula: $C_6H_8N_4O$

Molecular Weight: 152.155

Accurate Mass: 152.069811

Percentage Composition: C 47.36%; H 5.30%; N 36.82%; O 10.52%

Melting Point: Mp 206-208°

References:

Kirpal, A., *Monatsh. Chem.*, 1902, **23**, 243

Fox, H.H., *J.O.C.*, 1952, **17**, 547; 1653

Leroy, F. *et al.*, *Synth. Commun.*, 1996, **26**, 2257, (*synth, Me ester, ir, pmr, cmr*)