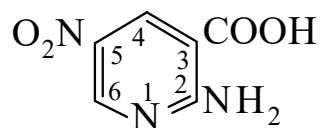




>>Entry Name: 2-Amino-5-nitro-3-pyridinecarboxylic acid, 9CI

Synonym(s): 2-Amino-5-nitronicotinic acid



CAS Registry Number: 6760-14-1

Molecular Formula: $C_6H_5N_3O_4$

Molecular Weight: 183.123

Accurate Mass: 183.028007

Percentage Composition: C 39.35%; H 2.75%; N 22.95%; O 34.95%

Physical Description: Yellow cryst. (H_2O or C_6H_6)

Melting Point: Mp 233°. Mp 240 dec.°

>>Derivative: Et ester

Molecular Formula: $C_8H_9N_3O_4$

Molecular Weight: 211.177

Accurate Mass: 211.059307

Percentage Composition: C 45.50%; H 4.30%; N 19.90%; O 30.31%

Physical Description: Cryst. (AcOH)

Melting Point: Mp 196°

>>Derivative: Et ester, 2-*N*-Ac

CAS Registry Number: 43103-82-8

Molecular Formula: $C_{10}H_{11}N_3O_5$

Molecular Weight: 253.214

Accurate Mass: 253.069872

Percentage Composition: C 47.43%; H 4.38%; N 16.59%; O 31.59%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 117°

>>Derivative: Et ester, *N*-benzoyl

Molecular Formula: $C_{15}H_{13}N_3O_5$

Molecular Weight: 315.285

Accurate Mass: 315.085522

Percentage Composition: C 57.14%; H 4.16%; N 13.33%; O 25.37%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 143°

References:

Räth, C., *Annalen*, 1931, **486**, 294

Collins, D.J., *J.C.S.*, 1963, 1337, (*synth*)