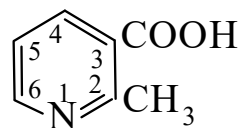




>>Entry Name: 2-Methyl-3-pyridinecarboxylic acid, 9CI

Synonym(s): 2-Methylnicotinic acid. α -Picoline-3-carboxylic acid



CAS Registry Number: 3222-56-8

Molecular Formula: $C_7H_7NO_2$

Molecular Weight: 137.138

Accurate Mass: 137.047679

Percentage Composition: C 61.31%; H 5.14%; N 10.21%; O 23.33%

Melting Point: Mp 207°. Mp 226-227°

Aldrich: 32522-8

Fluka: 68002

Sigma: M7526

>>Derivative: Hydrochloride

CAS Registry Number: 21636-09-9

Melting Point: Mp 226°

>>Derivative: Et ester

CAS Registry Number: 1721-26-2

Molecular Formula: $C_9H_{11}NO_2$

Molecular Weight: 165.191

Accurate Mass: 165.078979

Percentage Composition: C 65.44%; H 6.71%; N 8.48%; O 19.37%

Boiling Point: Bp₂₄ 126-127°

Aldrich: 32520-1

>>Derivative: Isopropyl ester

Molecular Formula: $C_{10}H_{13}NO_2$

Molecular Weight: 179.218

Accurate Mass: 179.094629

Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%

Boiling Point: Bp₅ 115°

>>Derivative: *tert*-Butyl ester

Molecular Formula: $C_{11}H_{15}NO_2$

Molecular Weight: 193.245

Accurate Mass: 193.110279

Percentage Composition: C 68.37%; H 7.82%; N 7.25%; O 16.56%

Boiling Point: Bp₁ 85-90°

References:

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Bruegel, W., *Z. Elektrochem.*, 1962, **66**, 159, (*nmr*)

Reppel, L. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1965, **298**, 342; *CA*, **63**, 9910, (*synth*)

Brietmaier, E. *et al.*, *Tetrahedron*, 1970, **26**, 5907, (*synth*)

Kao, B. *et al.*, *J. Het. Chem.*, 1991, **28**, 1315, (*synth, pmr, esters*)