



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

CAS Registry Number: 4021-12-9

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%

Physical Description: Solid (H_2O)

Melting Point: Mp 233°

>>Derivative: Me ester

CAS Registry Number: 116985-92-3

Molecular Formula: $C_8H_9NO_2$

Molecular Weight: 151.165

Accurate Mass: 151.063329

Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%

Physical Description: Oil

Boiling Point: Bp_{0.4} 66°

>>Derivative: Et ester

CAS Registry Number: 58997-11-8

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%

Physical Description: Oil

Boiling Point: Bp₁₅ 114-118°

>>Derivative: Nitrile

Synonym(s): 4-Cyano-3-methylpyridine

CAS Registry Number: 7584-05-6

Molecular Formula: $C_7H_6N_2$

Molecular Weight: 118.138

Accurate Mass: 118.053098

Percentage Composition: C 71.17%; H 5.12%; N 23.71%

Physical Description: Needles (petrol)

Melting Point: Mp 50°

References:

Suzuki, Y., *CA*, 1958, **52**, 1167, (*synth*)

Japan. Pat., 1975, 75 10 533; *CA*, **85**, 150997, (*use*)

Miu, R.S. *et al.*, *CA*, 1976, **84**, 150463

Clarke, K. *et al.*, *J.C.S. Perkin I*, 1984, 1501, (*synth*)

Dunn, A.D., *Org. Prep. Proced. Int.*, 1999, **31**, 120-123, (*synth*, *Me ester*, *nitrile*)