



>>Entry Name: **3-Amino-4-methylpyridine**

Synonym(s): 4-Methyl-3-pyridinamine, 9Cl. 3-Amino- γ -picoline

CAS Registry Number: 3430-27-1

Molecular Formula: C₆H₈N₂

Molecular Weight: 108.143

Accurate Mass: 108.068748

Percentage Composition: C 66.64%; H 7.46%; N 25.90%

Physical Description: Prisms (C₆H₆/petrol)

Melting Point: Mp 106°

Boiling Point: Bp₇₃₅ 254°

Other Data: Steam-volatile

>>Derivative: *N*-Ac

CAS Registry Number: 52090-68-3

Molecular Formula: C₈H₁₀N₂O

Molecular Weight: 150.18

Accurate Mass: 150.079313

Percentage Composition: C 63.98%; H 6.71%; N 18.65%; O 10.65%

Physical Description: Leaflets (Me₂CO/petrol)

Melting Point: Mp 84°

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₃H₁₂N₂O

Molecular Weight: 212.251

Accurate Mass: 212.094963

Percentage Composition: C 73.57%; H 5.70%; N 13.20%; O 7.54%

Physical Description: Plates (Me₂CO/petrol)

Melting Point: Mp 81°

References:

Koenigs, E. *et al.*, *Ber.*, 1927, **60**, 2106-2111, (*synth, derivs*)

Achremowicz, L. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1965, **39**, 1417-1421; *CA*, **64**, 17530, (*synth*)

Mahadevan, I. *et al.*, *J. Het. Chem.*, 1992, **29**, 359-367, (*synth, pmr*)

Grozinger, K.G. *et al.*, *J. Het. Chem.*, 1995, **32**, 259-263, (*synth*)

Bakke, J.M. *et al.*, *J. Het. Chem.*, 2001, **38**, 99-104, (*synth, ir, pmr*)