>>**Entry Name: 2-Amino-5-methylpyridine**
Synonym(s): 6-Amino-β-picoline. 5-Methyl-2-pyridinamine

CAS Registry Number: 1603-41-4

Molecular Formula: $C_6H_8N_2$
Molecular Weight: 108.143
Accurate Mass: 108.068748
Percentage Composition: C 66.64%; H 7.46%; N 25.90%

Melting Point: Mp 76-77°
Boiling Point: Bp 227°
pKa Value: pK_{a1} 7.46; pK_{a2} –6.8 (20°)
Other Data: Hygroscopic
Hazard & Toxicity: LD_{50} (rat, orl) 200 mg/kg

Aldrich: A7568-4
Fluka: 8649
Sigma: A1162

>>**Derivative:** Hydrochloride

Physical Description: Cryst. (MeOH)
Melting Point: Mp 192-194°

>>**Derivative:** *N*-Ac

Molecular Formula: $C_8H_{10}N_2O$
Molecular Weight: 150.18
Accurate Mass: 150.079313
Percentage Composition: C 63.98%; H 6.71%; N 18.65%; O 10.65%
Physical Description: Cryst. (hexane/C_6H_6)
Melting Point: Mp 103-104°

References:
Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 298B, *(nmr)*
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 771A, *(ir)*
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1539A, *(ir)*
Spinner, E.*, J.C.S.*, 1962, 3119, *(ir, Raman)*
Katritzky, A.R. *et al.*, *J.C.S.*, 1965, 3825, *(pmr)*
Cumper, C.W.N. *et al.*, *J.C.S.(B)*, 1968, 649, *(uv)*
Sax, N.I.*, Dangerous Properties of Industrial Materials, 5th edn., Van Nostrand Reinhold*, 1979, 360