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>>Entry Name: **2-Amino-5-methylpyridine**

Synonym(s): 6-Amino- $\beta$ -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<sub>50</sub> (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:

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Katritzky, A.R. *et al.*, *J.C.S.*, 1965, 3825, (pmr)

Cumper, C.W.N. *et al.*, *J.C.S.(B)*, 1968, 649, (uv)

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