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

Synonym(s): 6-Methyl-3-pyridinamine, 9Cl. 5-Amino- $\alpha$ -picoline

CAS Registry Number: 3430-14-6

**Molecular Formula:** C<sub>6</sub>H<sub>8</sub>N<sub>2</sub>

**Molecular Weight:** 108.143

**Accurate Mass:** 108.068748

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

**Physical Description:** Cryst. (C<sub>6</sub>H<sub>6</sub>/petrol)

**Melting Point:** Mp 96°

**Solubility:** Spar. sol. H<sub>2</sub>O

>>Derivative: *N*-Ac

CAS Registry Number: 29958-15-4

**Molecular Formula:** C<sub>8</sub>H<sub>10</sub>N<sub>2</sub>O

**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. (CHCl<sub>3</sub>/petrol)

**Melting Point:** Mp 126°

>>Derivative: *N*-Benzoyl

**Molecular Formula:** C<sub>13</sub>H<sub>12</sub>N<sub>2</sub>O

**Molecular Weight:** 212.251

**Accurate Mass:** 212.094963

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

**Physical Description:** Cryst. (EtOH aq.)

**Melting Point:** Mp 110-111°

#### References:

Graf, R., *J. Prakt. Chem.*, 1932, **133**, 19-35, (*synth*)

Van der Does, L. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1965, **84**, 951-964, (*synth*)

Sawanishi, H. *et al.*, *Chem. Pharm. Bull.*, 1987, **35**, 4101-4109, (*synth*, *pmr*)