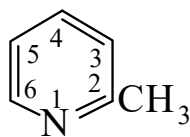




>>Entry Name: 2-Methylpyridine, 9CI

Synonym(s): α -Picoline



CAS Registry Number: 109-06-8

Related CAS Registry Numbers(s): 18241-33-3

Extra CAS Registry Numbers(s): 1333-41-1

Molecular Formula: C₆H₇N

Molecular Weight: 93.128

Accurate Mass: 93.057849

Percentage Composition: C 77.38%; H 7.58%; N 15.04%

Biological Source: Isol. from leaves of *Rumex obtusifolius* (Polygonaceae). Found in coal tar oil. Manuf. by gas-phase catalytic reaction of acetaldehyde and ammonia

Use/Importance: Used in manuf. of 2-Vinylpyridine [KCT84-K](#) and pharmaceuticals

Physical Description: Oil with strong unpleasant odour

Melting Point: Mp -70°

Boiling Point: Bp 129°

Density: d_4^{15} 0.95

pKa Value: pK_a 7.98 (25°) pK_a 5.96 (25°)

Refractive Index: n_D^{17} 1.5029

Hazard & Toxicity: Flammable, fl. p. 28° , autoignition temp. $535/538^{\circ}$. Toxic, irritant. Skin and severe eye irritant. Adverse CNS effects by inhalation. LD₅₀ (rat, orl) 790 mg/kg. LD₅₀ (rbt, skn) 410 mg/kg

Aldrich: 10983-5

Fluka: 80221

Supelco: 44-2368

>>Derivative: Hydrochloride

CAS Registry Number: 14401-91-3

Physical Description: Hygroscopic cryst. + $\frac{1}{2}$ H₂O

Melting Point: Mp 200° (anhyd.)

>>Derivative: Hydrobromide, Br₂ addn. compd.

CAS Registry Number: 135862-25-8

Physical Description: Red cryst.

Melting Point: Mp 76°

>>Derivative: Methiodide

Synonym(s): 1,2-Dimethylpyridinium iodide, 9CI. 2-Picoline methiodide

CAS Registry Number: 872-73-1

Molecular Formula: C₇H₁₀IN

Molecular Weight: 235.067

Accurate Mass: 234.985797

Percentage Composition: C 35.77%; H 4.29%; I 53.99%; N 5.96%

Use/Importance: Reagent for the detn. of aromatic aldehydes (forms 2-stilbazole methiodide)

Physical Description: Needles (EtOH)

Melting Point: Mp $229-231^{\circ}$

Rare Chemicals Library: S61932-9

>>Derivative: Ethobromide

Synonym(s): 1-Ethyl-2-methylpyridinium bromide, 9CI

CAS Registry Number: 32353-50-7

Physical Description: Red solid

Melting Point: Mp 65° . Mp 97°

>>Derivative: Ethiodide

Synonym(s): 1-Ethyl-2-methylpyridinium iodide, 9CI