



>>Entry Name: **2,4-Dimethylpyridine**, 9CI

Synonym(s): 2,4-Lutidine, 8CI

CAS Registry Number: 108-47-4

Related CAS Registry Numbers(s): 27175-64-0

Structure by analogy with 2,3-Dimethylpyridine, [FWV38-Q](#)

Molecular Formula: C₇H₉N

Molecular Weight: 107.155

Accurate Mass: 107.073499

Percentage Composition: C 78.46%; H 8.47%; N 13.07%

Source/Synthesis: Constit. of coal tar and shale oil

Physical Description: Liq.

Boiling Point: Bp 157-158°

Density: d₄²⁵ 0.927

pKa Value: pK_a 6.99 (25°)

Refractive Index: n_D²⁰ 1.4990

Other Data: Steam-volatile

Hazard & Toxicity: Toxic, flammable, fl. p. 37°

Aldrich: L360-9

Fluka: 62730

Sigma: L1514

>>Derivative: Hydrochloride

CAS Registry Number: 20736-88-3

Physical Description: Hygroscopic solid

Melting Point: Mp 212-213°

>>Derivative: Picrate

CAS Registry Number: 4846-51-9

Physical Description: Rhombs

Melting Point: Mp 185-186°

>>Derivative: N-Oxide

CAS Registry Number: 1122-45-8

Molecular Formula: C₇H₉NO

Molecular Weight: 123.154

Accurate Mass: 123.068414

Percentage Composition: C 68.27%; H 7.37%; N 11.37%; O 12.99%

Physical Description: Liq.

Boiling Point: Bp_{0.08} 88-90°. Bp₂₃ 156-160°

Rare Chemicals Library: S84905-7

>>Derivative: N-Oxide; hydrochloride

CAS Registry Number: 39770-45-1

Physical Description: Needles

Melting Point: Mp 178°

References:

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